



POST OFFICE BOX 00365

DALLAS, TEXAS 75230

Distribution of this document is unlimited

ARCHIVE WUFY

BEST AVAILABLE COPY

THE DAST COAST ONSHORE OFFSHORE EXPER' MENT

I. THE FIRST ARRIVAL PHASES

Final Report for Project:

A Cooperative Onshore Offshore Seismic Experiment"

Prepared for

AIR FORCE OFF CE OF SCIENTIFIC RESEARCH OFFICE OF AEROSPACE RESEARCH UNITED STATES AIR FORCE

Contract AF 49(638)-1542, Program Code 5810 31 March 1965 - 31 August 1966, Amount: \$169,458.

Principal Investigator - Anton L. Hales, AD 1-1471

SOUTHWEST CENTER FOR ADVANCED STUDIES
P. O. Box 30365
Dailas. Texas 75230

Sponsored By

ADVANCED RESEARCH PROJECTS AGENCY PROJECT VELA-UNIFORM Order 292, Amendment 23, Task 8652

31 March 1967

Contribution 50 of the Geosciences Division Southwest Center for Advanced Studies, Dallas, Texas

Distribution of this document is unlimited.

THE EAST COAST ONSHORE OFFSHORE EXPERIMENT

I. The first arrival phases

A. L. Hales, C. E. Helsley, J. J. Dowling and J. B. Nation

Southwest Center for Advanced Studies Dallas, Texas

Contribution 50 of the Geosciences Division, Southwest Center for Advanced Studies, Dallas, Texas

ABSTRACT

A cooperative seismic crustal structure experiment involving eleven participating institutions was conduced off the East Coast of the United States during the summer of 1965. Underwater nots varying in size from 20 pounds to 10 tons of explosive were detonated along four lines; two off the coast of North Carolina and two off the coast of Virginia. These shots were recorded at a number of land stations, both fixed and mobile, as well as at anchored buoy stations at sea. In each area one line was approximately normal to the continental margin and the other parallel to the margin near the outer edge of the continental shelf. Shot positions, shot instants and first arrival times at all participating recording stations are summarized in the tables of this paper.

Preliminary analyses of the data contributed by all of the participants for inclusion in this paper indicate a general crustal structure varying from 0.5 km of sediment overlying 30.4 km of basement for the southern profiles to 1.6 km of sediment above 8.3 km low velocity basement overlying about 16.3 km of high velocity basement in the northern area. The individual participants are expected to present more detailed summaries of their own portions of the data in subsequent papers.

INTRODUCTION

For some years past a group of North American university and research laboratories have carried out a number of large scale cooperative seismic studies of crustal structure in Montana, North Carolina, the Gulf of Maine, and the Lake Superior region. The programs were coordinated by the Department of Geophysics, University of Wisconsin, and the Department of Terrestrial Magnetism, Carnegie Institution of Washington. The 1965 East Coast Onshore Offshore Experiment (ECOOE) was planned as one of this series of crustal structure experiments and as part of the Transcontinental Geophysical Survey of the United States Upper Mantle Program. This experiment was coordinated by the Southwest Center for Advanced Studies, formerly the Graduate Research Center of the Southwest, and a general description of the experiment was published before the experiment began (Hales, 1965). A brief summary of the experiment was given by Hales et al. (1956).

Figure 1 shows the location of the one-ton, five-ton and ten-ton shots, and of the fixed observing stations.

Four major profiles were shot during the experiment: two of these were more or less normal to the continental margin

and two were parallel to the shelf. These will be referred to as southern normal (SN), northern normal (NN), southern parallel (SP) and northern parallel (NP) profiles. In addition three long (up to 90 km) deep sea profiles were observed at the seaward ends of the northern and southern lines.

During the shooting of the southern profile, the U. S. Geological Survey carried out a program for the calibration of the Cumberland Plateau Observatory. The shot points used in the USGS program are shown in Figure 1 and listed in Table IV. (The Geological Survey observing stations moved in accordance with their shooting program.) Some of the shots were recorded by the on-profile ECOOE stations, and the Geological Survey stations recorded some of the shots fired at sea.

In addition to these shots, the Department of Terrestrial Magnetism, Carnegie Institution of Washington, fired four shots at Schuyler, Virginia, and four in the Chesapeake Bay area. Two of the Schuyler shots were fired while the southern profiles were being observed, the other two being fired during the northern shooting.

PARTICIPATING INSTITUTIONS

The following institutions participated in the field observations: the Crustal Studies Branch, U. S. Geological Survey; the University of Wisconsin; the Department of Terrestrial Magnetism, Carnegie Institution of Washington; the University of Michigan; Pennsylvania State University; the University of Tulsa; Boston College; Georgia Institute of Technology; the Air Force Technical Applications Center; and the Southwest Center for Advanced Studies (SCAS).

In addition to the stations specially set up for the experiment, a number of permanent stations recorded the events. The list which follows is not complete, covering only those organizations which are known to have made observations and taken part in the analysis program:

Columbia University Geophysical Field Station, Bermuda
U. S. Coast and Geodetic Survey
Lamont Geological Observatory
Geotechnical Division, Teledyne Industries

THE OBSERVING STATIONS

A list of the observing stations is given in Table I.

In addition to the station identification number and location,
the table gives the time for which each station was occupied.

It should be noted that the Carnegie stations were occupied as a rule for only one or two nights of shooting.

Buoy stations were operated at sea by the University of Wisconsin and the Southwest Center for Advanced Studies.

These stations are listed in Table II.

The positions of some of the sea stations are known to the same precision as the land stations. (These are marked by an asterisk in the table.) For most of the sea stations the distances from the shots were determined from the water wave travel time, and thus the positions of the stations given in Table II are only approximate and may be in error by up to 3 km. (The distances from the buoys to the shots are, however, accurate to better than 0.1 km.)

THE SHOOTING PROGRAM

All the large shots (one ton or greater) were fired electrically, and the shot times quoted are those read from the oscillograph records except as otherwise noted in Table III.

A number of small shots (100 pounds or less) were fired as conditions permitted, using burning fuses for detonation and the water wave arrival at the ship for shot

instant determination. The small shots were intended to be recorded only by the buoy stations, and their times and locations are not included here. A list is available from the authors for persons desiring this information.

It is desirable that where possible the shots should be fired at a depth such that the reflection from the surface is in phase at the bubble pulse frequency. Allowing for the phase change of π at the surface, the condition for reinforcement is (Arons and Yennie, 1948)

$$4\frac{D}{V} = \frac{KW^{1/3}}{(33+D)^{5/6}}$$

where D = depth in feet,

V = velocity of sound in sea water in ft/sec,

W = weight of explosive in lbs,

and K is a constant depending on type of explosive.

For Nitramon WW-EL the factor K is 4.94 (Patterson, personal communication, 1966). For 2,000-lb. charges D is found to be 450 feet, and for 10,000-lb. charges, 605 feet.

The large shots in water of depth less than 600 feet were fired on the bottom. The first of the large shots in deep water, 126, was fired at a depth of 500 feet. It was

found that the explosive cans compacted more than had been anticipated with the result that the flotation provided was not adequate to support the charges. A new suspension system was improvised, but the materials available limited the depth at which the shots were floated to 300 feet for all later shots.

Chase III was fired on July 15 and was recorded by SCAS on two buoys and one land station and by some of the University of Michigan stations.

EARLIER WORK

Several geophysical studies of the continental shelf of the eastern United States have been reported by Ewing and his collaborators during the past 30 years (Ewing, Crary and Rutherford, 1937; Ewing, Woollard and Vine, 1939, 1940; Ewing, Worzel, Steenland and Press, 1950; Miller, 1957). This work has been reviewed by Drake et al. (1959) (see this publication for additional references). Hersey et al. (1959) described a number of geophysical studies of the continental margin between Cape Henry, Virginia, and Jacksonville, Florida. In 1962 the North American Seismic Group carried out a study of the continental margin

off North Carolina. Some of the results were described in a paper by Shima et al. (1964). A more detailed description of this experiment is, given by Meyer et al. (1966) and an interpretation of the results by Lewis and Meyer (1966). The observations made by the Department of Terrestrial Magnetism, Carnegie Institution of Washington. during this experiment have been discussed by Steinhart (1963).

Land Observations

In addition to the work litted above the Carnegie Institution of Washington, beginning about 1948, observed travel times in Maryland and the neighboring states from shots fired in the Patuxent River and in the Chesapeake Bay. The general conclusion from the Carnegie studies was that the crust in this region was between 30 and 35 km thick (Tuve and Tatel, 1953).

The Wisconsin group carried out seismic studies on the Atlantic coastal plain during 1952 and 1953. (This investigation was mainly concerned with the depth to basement.) The results were reported by Woollard et al. (1957). Bonini and Woollard (1967) discussed the results for the North Carolina-South Carolina plain,

including those of earlier workers. They found that in general higher pasement seismic velocities corresponded with magnetic highs. From their contour map of the pre-Cretaceous basement it follows that the depth to basement is everywhere less than 0.5 km on the landward portion of the SN profile.

Shelf observations, northern profile area.

Figure 2, modified from Drake et al. (1959), shows the previous stations observed in the vicinity of the northern profiles. These consist of a number of short profiles in the Norfolk area and off Cape Henry and a section near Cape May. Ewing et al. (1950) give a section for the Cape May profile from which Figure 3 has been derived. The authors estimate basement velocities varying between 17,150 ft/sec (5.23 km/sec) and 18,750 ft/sec (5.72 km/sec) with an average of 18,000 ft/sec (5.49 km/sec). The velocity of the semi-consolidated sediments increases seaward to a value of about 13,700 ft/sec (4.18 km/sec). The Cape Henry section shows the crystalline rock surface to dip seaward in similar fashion to the Cape May section. The basement velocities are similar to those at Cape May. Moore and

Curray (1963) describe reflection profiles off Norfolk,

Virginia, and infer that the continental terrace is

depositional in origin. Uchupi and Emery (1957) report

reflection profiles near the Atlantic coastal margin

of the United States. Prograding is general. In some cases

reflecting horizons are truncated at the continental slope.

In a few cases there is renewed deposition after truncation.

Shelf observations, southern profile area.

The locations of the Hersey et al. (1959) profiles in the region adjacent to the southern profiles are shown in Figure 4. Hersey et al. show a section roughly parallel to the coast, a portion of which has been reproduced as Figure 5. It shows the dominant feature of the structure on the shelf between Cape Henry and 30°N to be the Cape Fear Arch. The Hersey et al. section parallel to the shore shows that the ECOOE parallel profile was shot along the northern flank of this arch.

Deep sea profiles, northern profile area

Drake et al. (1959) and Katz and Ewing (1956) have presented data for a number of deep sea profiles near the northern ECOOE profiles. Figure 6 taken from Katz and Ewing (1956) presents a section close to the ECC E NP line.

The landward end of the line is from Tatel et al. (1953, figures 5 and 6) and gives a mantle velocity of 8.05 km/sec at a depth of 32 km. The shelf portion is interpreted from the Cape May and Cape Henry sections of Ewing et al. (1950).

Deep sea profiles, southern profile area.

Hersey et al. have tabulated the results from deep sea profiles observed in the area south of Cape Hatteras of which only one profile is close to the ECOOE southern deep sea profile. A characteristic feature of the deep sea profiles reported by Hersey et al. is that a layer with velocity 7.1 to 7.7 km/sec lies below the layer with velocity 6.15 to 6.74 which would ordinarily be regarded as characteristic of the oceanic crust. Furthermore, the profiles on the slope between the foot of the continental rise and the deep ocean are distinguished by a considerable thickness of material with velocity between 3.8 and 4.4 km/sec.

The structure in and around Blake Plateau is clearly complex, and it is suggested by Hersey et al. that there is a deep sediment-filled trough roughly parallel to the coast which may be continuous with the easternmost of the

two roughly parallel sediment-filled trenches found by Drake et al. (1957, 1959) at the foot of the continental rise north of Cape Hatteras.

MAGNETIC OBSERVATIONS IN THE ECOOE AREA

There have been several published reports of the magnetic anomalies along the Atlantic shelf of North America. Among them are Keller et al. (1954), King et al. (1961), Drake et al. (1963) and Watkins and Geddes (1965). Drake et al. have correlated anomalies continuously over many tens of kilometers. They are represented by a series of trends (Figure 7) parallel to the edge of the shelf north of Cape Hatteras with an offset near 40° N. Near Cape Hatteras these trends converge. According to Drake et al. (1963) "...south of Cape Fear there is considerable branching..." of these trends. One set swings southeast along the edge of the Blake Plateau and another strikes southwest into the Florida Peninsula. The anomaly north of Cape Hatteras near the shell edge has been correlated with a seismically determined ridge in the basement, though the anomaly-producing material is thought to be within the basement. It is remarked that "basement topography alone

will not produce the anomalies" and "that material within the basement may control both magnetic anomalies and the shape of the basement" (Drake et al., 1963). South of Cape Hatteras no such correlation has been possible due to sparsity of seismic data.

The ECOOE data between Cape Hatteras and Cape Fear indicate little relief on the basement surface. The strong anomalies shown by Drake et al. in this area are therefore not due to structure on the top of the basement but probably result from structure within the basement as suggested for the anomalies north of Cape Hatteras by King et al. and Drake et al.

SHOT LOCATIONS: NORTHERN PROFILES

In previous experiments of this series (Lake Superior 1963 (Steinhart, 1964) and the Gulf of Maine (Steinhart et al., 1964), shot locations were determined on the basis of direct water arrivals at a set of fixed hydrophone stations along the shore. This technique works well as long as the hydrophone stations are more or less evenly distributed in azimuth about the shot point.

For the East Coast Experiment this was not possible, since all of the possible stations were at one end of the

line, and thus small errors in arrival time or water velocity would create large errors in position. As a result of this and other logistical factors, it was decided to rely mainly on LORAN C navigation for the determination of shot locations, with off-line buoys as a backup for, and check of, the LORAN C navigation. Estimates of the accuracy of location of LORAN C, calculated from the accuracy with which readings can be made under laboratory conditions and the geometry of the system, are in general of the order of 15 to 20 meters. It was thought that a real field accuracy of about 100 meters could be achieved at sea, but it was anticipated that the accuracy of location would be somewhat less near the baseline extension, i.e. for the close-in shots on the northern profile. We felt, however, that provided the readings in this region were made with great care, locations would be accurate to 300 meters, the accuracy deemed necessary for the purposes of the experiment.

Navigation during the course of the shooting was based on the use of transparent overlays of the LORAN C hyperbolas constructed from the LORAN C tables (LORAN-C Table Pair Sc X and LORAN-C Table Pair SO-Y, Publication No. 221, U. S. Naval Oceanographic Office, 1964). Shortly

after the experiment a preliminary list of locations made using these overlays was issued for use by participants (southern profile, July 28, 1965, and northern profile, August 2, 1965). A revised list, for which graphical or numerical interpolation from the LORAN C tables was used, was issued later (September 7, 1965).

It was thought that these locations might be modified by tenths of minutes when the data were run through a computer program. However, when we began to work up the data from the buoys anchored on the NN profile, it became apparent that there were serious discrepancies between the distances inferred from the water wave arrival times and those calculated from the LORAN C positions. In order to make these two sets of distances compatible for shots 303 through 320, it was necessary to use a water velocity corresponding to a temperature well below 0°C.

Up to this stage we had been using water wave data from SCAS buoys only. Dr. R. P. Meyer kindly sent us preliminary readings from the University of Wisconsin buoys, and these data confirmed independently the conclusions reached on the basis of the SCAS buoy data. It was known that the temperature of the deep water on the shelf (depth

of water less than 200 meters) was not less than 8°C, while the surface water temperature measured by the buoy tending ship was about 23°C. This range of temperature corresponds to water wave velocities between 1.480 and 1.530 km/sec. The LORAN C data suggested that the velocity should be 1.450 km/sec. Thus we began to look for possible systematic errors in the LORAN C positions.

For the NN profile an appreciable portion of the path from the Cape Fear LORAN C station lay over land. It had been shown by Johler et al. (1956) that a phase delay is produced by transmission over a medium of low conductivity. It was thought probable that the phase delay due to the overland path from Cape Fear was responsible for the discrepancies between the LORAN C and water wave data. Corrections for the overland path of portion of the path from the Cape Fear station (for the other stations the overland path was relatively short) were made on the basis of the Johler curves (Figures 2 and 3 in Johler et al., 1956) for land (conductivity 0.05 mho/cm) and sea water (conductivity 5.0 mho/cm). The corrections amounted to 2.2 µ sec in the SO-X reading at the inshore end of the line and about 1 µ sec at the shelf edge. These corrections were in the right serse

to remove the inconsistency r tween the water wave times and the LORAN C distances.

These corrections were applied to all readings for the northern profile and new positions calculated by the Navy Oceanographic Office. At the same time the Oceanographic Office computed locations based on their own LORAN C correction charts (U. S. Naval Oceanographic Office LORAN C secondary Phase Correction Charts 16707-CC-3a and -3b). The results of these corrections for shots 303 to 308 are shown in Figures 8 and 9.

The shot locations based on our empirical correction (using the Johler curves) were subsequently modified slightly to include a small SO-Y correction scaled from that given by the Oceanographic Office. As can be seen from the portion of the LORAN C grid reproduced on Figure 9, any error resulting from phase delay or reading error is from 10 to 12 times greater for the SO-X coordinate than for SO-Y. This is, of course, a consequence of our operating near the baseline extension of the SO-X pair of LORAN C stations.

It follows that the errors in the SO-Y coordinate lines would be at most 0.1 km and that the shot position

1

lies along the line joining the three locations, (a) no correction for phase delay, (b) Navy correction, and (c) SCAS-Johler correction, which is 4 km long for shot 303. (Figure 8 and 9).

Two sets of data are available to reduce this uncertainty in shot location. The largest set of data is that of the water arrival times from the SCAS and University of Wisconsin anchored buoys, to which reference has already been made. Unfortunately, this set fixes only the positions of the shots relative to one another and not the positions relative to land, for the buoys were placed using LORAN A navigation, and it was found that, although anchored, the positions determined from LORAN A varied by several kilometers from one servicing to the next. As will be shown below, the consistency of the water wave data shows that the buoys did not drift more than a few hundred meters, which is about the length of the anchor line and hydrophone cables, with the exception of one which was apparently run down by a ship and cut loose from its anchor between shots 308 and 309.

In some cases the shooting ship observed the buoys by radar, and thus the buoys can be located approximately

from the LORAN C position of the ship at the time of sighting and the radar range and bearing. Errors in the radar range observations appeared to be about 10%, and these observations have been used principally to determine on which side of the shotline the buoys lay.

The second set of data, although smaller, is important in that it provided a means of location relative to land. For the shots fired the first night (303 - 308 at sea; 603 - 604 in Chesapeake Bay) the SCAS land stations located on the Delaware Peninsula observed a low-frequency signal (2 - 3 cps) which arrived very much later than any ordinary surface wave. The apparent velocity across the stations and arrays was between 0.330 and 0.350 km/sec with the higher velocities coming from the sea and the lower ones from the Chesapeake shots. On the second night similar arrivals were observed for the Chesapeake shots (607 - 608), but not from the sea even though the first three sea shots (309 - 311) overlapped the first night's shooting. On this night the apparent velocities from the Chesapeake shots were at the high end of the range in contrast with lowerthan-average velocities on the first night.

4 ...

A reasonable explanation for these arrivals is that they were air waves with a wind vector toward land on the first night and toward the sea on the second. Travel times were plotted against distance for these arrivals using the corrected LORAN C position and two hypothetical shot points lying on the SO-Y line, 2 km inshore and 2 km offshore of the corrected LORAN C position. From these plots least-square determinations of velocity and intercept were made, and the velocity corresponding to zero intercept was determined by interpolation. It should be noted that the velocity of 0.3505 km/sec so determined is an average for the whole path.

methods; first by determining an air wave velocity over the three-station array: Withams, Silva and Chincoteague. The velocity so found ranged between 0.3437 and 0.3521. In most of the determinations the velocities are somewhat smaller than that found from the least-squares solution, but, of course, refer only to the landward end of the path. The difference can be interpreted in terms of cooler night temperatures over the land, or in terms of an onshore wind at low altitude. The latter alternative seems more likely,

for it also provides a means of bringing the sound wave back to the surface. The meteorological data from Wallops Island station at 0515 on July 7 support this conclusion. However, the coverage of the sea portion of the path is not adequate for this to be regarded as conclusive.

A second check was made using the Chesapeake shots, the locations of which were more accurately known than of thowa at sea, to obtain a wind velocity along the shooting line. Using this wind velocity we determined the sonic velocity relative to the surface from the sea shots to the recording stations. This approach was aided by a very good set of air wave records from shot 604 (fired only a half hour before 303) at the Withams station and the fortunate positioning of the Withams array very near the shot line. It was hindered by the lack of air temperature data to determine sound velocity in stall air. The velocity determined between shot point and station was 0.340 km/sec with an assumed zero intercept. This was confirmed by the velocity across the array. The still-air velocity was in the range of 0.345 to 0.347 km/sec based on temperature estimates on the peninsula of 75° ± 2.5°F,

indicating that the wind vector along the shot line was from the sea at 0.005 - 0.007 km/sec. This would give a sonic velocity range of 0.350 to 0.354 km/sec from sho s 303 - 308 to the recording station which brackets the velocity of 0.3505 obtained by least-squares. Although the uncertainty of the air temperature limits the usefulness of this check, it does show that the error of the least-squares velocity of 0.3505 km/sec is at worst ± 0.005 km/sec and probably less than 0.002 - 0.003 km/sec. Thus for shot 303 with a travel time of about 100 seconds, the positioning error should be considerably less than 0.5 km.

The air velocity interpolated from the least-squares solution was used with the observed travel times to determine locations for shots 303 to 308 on the SO-Y lines, and these shot positions were then used with water wave travel times to locate the inshore buoy 2329. The process is illustrated in Figure 8. Insofar as accuracy is concerned it may be noted that if a velocity of 0.346 km/sec (still air velocity under conditions prevailing at time of shots) had been used, the whole line would be moved inshore by at most 0.45 km. The least-squares solution is, however, more accurate than this, for it rests upon

travel times over the whole path, whereas the other velocities of 0.3 km/sec were determined from differences in travel time over the landward end of the paths.

Using the above derived sound velocity, the observed travel times, and the corrected SO-Y line, shot positions were determined for shots 303 - 308. These best air wave shot positions were then used to locate buoy 2329.

The water velocity below the thermocline was found using bathythermograph data observed along 37°10'N for depths down to 35 meters on June 28, 1965, and July 27, 1965, by Mr. J. J. Norcross and Mr. M. M. Nichols of the Virginia Institute of Marine Science (personal communication, 1966). These data give a temperature below 20 meters of 8° ± 2°C from which a water velocity of 1.482 km/sec was derived.

This velocity of 1.482 km/sec and the observed water wave travel times at buoy 2329 were then used to determine the distances to each of the shots. These distances in conjunction with the corrected SO-Y line were then used to find "best fitting" buoy locations for buoys 2330, 1332, 1333, 1334, 2335 and 1336. Once these "best" buoy locations had been determined, they were used, again in conjunction with the corrected SO-Y line and travel time data, to

locate all of the shots. The locations so determined for shots 303 - 320 are given in Table III and illustrated in Figure 9.

As a check of the entire procedure, an air velocity was calculated using the shot positions found from the water wave arrival time data. This differed only slightly (approximately 0.003 km/sec) from the velocity used to calculate the position of buoy 2329. This indicates that a small error (0.2 km) may exist in the absolute location of shots 303 - 320 with respect to land. An error of this magnitude is not significant from the point of view of the seismic interpretation.

Relation between the final locations and corrected LORAN C observations

The final shot positions as determined by the techniques described above lay between the Navy corrected LORAN C positions and the SCAS corrected LORAN C positions with the shots closest to shore showing the most deviation from the Navy position. As the shelf edge is approached (snots 315, 316 and 320) the position determined by water wave times and the Navy corrected LORAN C positions agree very well.

Thus we have the Navy corrected LORAN C positions for all

shots after 320 including those on the NP line for which LORAN C observations are available. Those shots on the NP line for which no LOPAN C positions were determined have much larger errors and have been individually discussed in the notes to the shot location table (Table III). The final locations of the northern profile shots are given in Table III and plotted in Figure 11.

SHOT LOCATIONS: SOUTHERN PROFILES

Apparently none of the above mentioned problems existed for the southern profiles, for here the Navy corrections are small and the SO-X and SO-Y grids are more comparable in overall dimensions. Water wave data along line segments up to 50 km long support this conclusion. The shot locations for the southern profiles are listed in Table III and plotted in Figure 10.

THE TRAVEL TIMES

We present in Table V first arrival times for all stations both on land and sea. In some cases later arrival times are given. In these tables the observations on the southern profiles are given first, the subgrouping being

by station number and thus by organization responsible for the readings. The observations on the northern profiles follow.

THE RESULTS

The individual participants in the experiment are analyzing their own data, and interpretations will be presented in a series of papers. For the present, to give a broad view of the travel time information, we present first arrival times for the land stations in four figures. Figure 12 shows all SN first arrivals from 0 to 180 ..m in a reduced travel time plot, the reduction velocity being 6 km/sec. Figure 13 presents all SN first arrival information as reduced travel times, the reduction velocity being 8 km/sec. Figures 14 and 15 present similar information for the NN profile.

For the southern profile we have fitted straight lines by least squares (a) to the first arrival data from 10 to 140 km and (b) to the first arrival data beyond 180 km.

Assuming a sedimentary velocity of 1.7 km/sec, we find the structure given in Table VI. This, of course, should only be regarded as an average structure for the area. The

individual analyses may show quite considerable local deviations from it.

For the northerr profiles we have chosen to divide the first arrivals into three groups. The least squares analyses yield

$$T = D/5.78 + 1.45$$
 (15 - 80 km)

$$T = D/6.34 + 2.65$$
 (90 - 150 km)

$$T = D/7.97 + 6.60$$
 (150 - 525 km)

For the third equation we have used only those points lying inside the block shown on Figure 15. These are arrivals from shelf shots with only a few exceptions. Clearly there are many other arrivals outside the block, most of which represent arrivals from deep water shots. In general the arrivals at distances greater than 500 km appear to be late by about two seconds with respect to the third equation.

For the structure given in Table VI we assumed that sediments with average velocity 2.1 km/sec overlay the layer with velocity 5.78. The data at sea suggest that the sediments on the shelf are thicker. The value given in the table is of course a mean value for the two ends of the path. The structure is to be regarded as no more than a broad average structure for the area.

ACKNOWI, EDGMENTS

The organization and logistics of the experiment were carried out under sponsorship of the Air Force Office of Scientific Research contract AF 49(638)-1542 monitored by Mr. William Best, air project VELA Uniform of the Advanced Research Projects Agency. Some of the participants were supported by National Science Foundation grants. The buoy equipment used at sea by SCAS was constructed under Office of Naval Research gr Nonr 4455 (01).

We have pleasure in acknowledging the support and generous cooperation of the U. S. Coast Guard who provided ships and especially Lt. Commander Victor Koll and the officers and men of the USCGC Madrona, and Lt. Commander W. D. Fox and the officers and men of the USCGC Firebush. We are greatly indebted to the Office of Naval Research and Mr. John G. Heacock for arranging the use of Navy loading facilities in the Norfolk area and for arranging for the demolition team to fire the shots, and also to the U. S. Naval Oceanographic Office and Mr. George N. Weston for the computation of LORAN C positions.

Our thanks are due to Ensign R. E. Bond and the detachment from U. S. Navy Explosives Ordnance Disposal Unit

Two of Charleston for their enthusiastic cooperation, to

Dr. P. J. Hart and the staff at the National Academy of

Sciences for help with communications, and to the International

Paper Company and numerous other land owners who permitted

us to set up stations on their property.

Finally, the authors wish to express their thanks to their colleagues in the participating institutions for their helpfulness throughout the experiment.

REFERENCES

- Arons, A. B. and D. R. Yennie, "Energy partition in underwater explosion phenomena," Rev. Mcd. Phys., 20, 519-536, 1948.
- Bonini, W. E. and G. P. Woollard, "Subsurface geology of North Carolina-South Carolina coastal plain from seismic data," <u>Bull. Am. Assoc. Petrol. Geologists</u>, 44, 298-315, 1960.
- Drake, C. L., G. H. Sutton and M. Ewing, "Continental margins and geosynclines: East coast of North America north of Cape Hatteras (Abstract), <u>Bull. Geol. Soc. Am.</u>, 68, 1718-1719, 1957.
- Drake, C. L., M. Ewing and G. H. Sutton, "Continental margins and geosynclines: The east coast of North America north of Cape Hatteras," Physics and Chemistry of the Earth Vol. 3, edited by L. H. Ahrens, F. Press, K. Rankama, and S. K. Runcorn, Pergamon Press, 110-198, 1959.
- Drake, C. L., J. Heirtzler and J. Hirshman, "Magnetic anomalies off eastern North America," <u>J. Geophys. Res.</u>, <u>68</u>, 5259-5275, 1963.
- Ewing, M., A. P. Crary and H. M. Rutherford, "Geophysical investigations in the emerged and submerged Atlantic Coastal Plain, Part I: Methods and results," <u>Bull. Geol. Soc. Am.</u>, 48, 753-802, 1937.
- Ewing, M., G. P. Woollard and A. C. Vine, "Geophysical investigations in the emerged and submerged Atlantic Coastal Plain, Part III: Barnegat Bay, New Jersey, section," <u>Bull. Geol. Soc. Am., 50</u>, 257-296, 1939.
- Ewing, M., G. P. Woollard and A. C. Vine, "Geophysical investigations in the emerged and submerged Atlantic Coastal Plain, Part IV: Cape May, New Jersey, section," Bull. Geol. Soc. Am., 51, 1821-1840, 1940.
- Ewing, M., J. L. Worzel, N. C. Steenland and F. Press, "Geophysical investigations in the emerged and submerged Atlantic Coastal Plain, Part V: Woods Hole, New York, and Cape May sections," <u>Bull. Geol. Soc. Am.</u>, 61, 877-892, 1950.

- Hales, A. L., "East Coast Onshore Offshore Experiment," VESIAC Special Bulletin, 6-14, June 10, 1965.
- Hales, A. L., C. E. Helsley, J. J. Dowling and J. B. Nation, "Some logistics of the East Coast Onshore Offshore Experiment (ECOOE)," <u>Earthquake Notes</u>, Vol. XXXVII, 25-32, 1966.
- Hersey, J. B., E. T. Bunce, R. F. Wyrick and F. T. Dietz, "Geophysical investigation of the continental margin between Car: Henry, Virginia, and Jacksonville, Florida," <u>Bull. Geol. Soc. Am.</u>, 70, 437-466, 959.
- Johler, J. R., W. J. Kellur and L. C. Walters, "Phase of the low radiofrequency ground wave," <u>Nat'l. Bur. Standards</u> <u>Circular 573</u>, 38 p., 1956.
- Kat2, S. and M. Ewing, "Seismic-refraction measurements in the Atlantic Ocean, Part VII: Atlantic Ocean Basin, west of Bermuda," <u>Bull. Geol. Soc. Am.</u>, <u>67</u>, 475-510, 1956.
- Keller, F., Jr., J. L. Meuschke and L. R. Alldredge,
 "Aeromagnetic surveys in the Aleutian, Marshall and
 Bermuda Islands," <u>Trans. Am. Geophys. Union</u>, <u>35</u>,
 558-572, 1954.
- King, E. R., I. Zietz and W. J. Dempsey, "The significance of a group of aeromagnetic profiles off the eastern coast of North America," <u>U.S. Geol. Surv., Professional</u> <u>Paper 424-D</u>, 299-303, 1961.
- Lewis, B. T. R. and R. P. Meyer, "1962 North Carolina Cooperative Experiment," in press.
- Meyer, R. P., B. T. R. Lewis, J. S. Steinhart, B. F. Howell, W. E. Bonini and D. E. Willis, "1962 North Carolina Cooperative Experiment shot positions, shot times, and travel times," in press.

no de e

- Miller, B. L., Jeophysical investigations in the emerged and submerged Atlantic Coastal Plain, Part II: Geological significance of the geophysical data," Bull. Geol. Soc. Am., 48, 803-812, 1937.
- Moore, D. G. and J. R. Curray, "Sedimentary framework of continental terrace off Norfolk, Virginia, and Newport, Rhode Island," <u>Bull. Am. Asscc. Petrol. Geologists</u>, 47, 2051-2054, 1963.
- Shima, F., K. McCamy and R. P. Meyer, "A Fourier transform method of apparent velocity measurement," <u>Bull. Seism. Soc. Am.</u> 54, 1843-1854, 1964.
- Steinhart, J. S., "Lake Superior Seismic Experiment: shots and travel times," J. Geophys. Res., 69, 5335-5352, 1964.
- Steinhart, J. S., T. J. Smith, I. S. Sacks, R. Sumner, Z. Suzuki, A. Rodriguez, C. Lomnitz, M. A. Tuve and L. T. Aldrich, "Seismic Studies: Explosion Seismology," Carnegie Inst. Washington Year Book 62, 280-282, 1963.
- Steinhart, J. S., Z. Suzuki, T. J. Smith, L. T. Aldrich and I. S. Sacks, "Seismic Studies: Explosion Seismology,"

 <u>Carnegie Inst. Washington Year Book 63</u>, 311-319, 1964.
- Tatel, H. E. and M. A. Tuve, "Seismic waves from explosions," Carnegie Inst. Washington Year Book 51, 67-70, 1952.
- Titel, H. E., M. A. Tuve and L. H. Adams, "Studies of the Earth's crust using waves from explosions," Proc.Am. Phil. Soc., 97, 658-669, 1953.
- Uchupi, E. and K. C. Emery, "Structure of continental margin off Atlantic Coast of United States," <u>Bull. Am. Assoc. Petrol. Geologists</u>, <u>51</u>, 223-234, 1967.
- Watkins, J. S. and W. H. Geddes, "Magnetic anomaly and possible orogenic significance of geologic structure of the Atlantic Shelf," J. Geophys. Res., 70, 1357-1361, 1965.

- Woollard, G. P., W. E. Bonini and R. P. Meyer, "A seismic refraction study of the sub-surface geology of the Atlantic coastal plain and continental shelf between Virginia and Florida," Univ. Wisc. Dept. Geol. Geophysics Sec., Madison, 128 pp., 1957.
- Coast, SO-X (No. 16707-CC-3a) and SO-Y (16707-CC-3b), U. S. Naval Oceanographic Office, 1963.
- -----, LORAN-C Table Pair SO-X, Publication No. 221 (1001), U. S. Naval Oceanographic Office, 1964.
- ----, LORAN-C Table Pair SO-Y, Publication No. 221 (1002), U. S. Naval Oceanographic Office, 1964.

LIST OF TABLES

Recording stations on land. Table I.

Table II. Recording stations at sea.

Table III. Shots at sea.

Shots on land and in Chesapeake Bay area. Table IV.

Travel times. Table V.

Table VI. Layer depths.

FIGURE CAPTIONS

- Figure 1. Location of shot points and recording stacions.

 Temporary stations (those which moved frequently during the shooting program) are not shown.
- Figure 2. Location of previous seismic work in the vicinity of the ECOOE northern profiles, after Drake et al. (1959).
- Figure 3. Structure section for the Cape May profile shown in Figure 2.
- Figure 4. Profiles by Hersey et al. (1959) in the vicinity of the ECOOE southern profiles.
- Figure 5. Structure section from profiles shown in Figure 4.
- Figure 6. Structure section from Katz and Ewing (1956). Profile extends approximately along ECOOE NN profile.
- Figure 7. Magnetic anomalies in the ECOOE area, after Drake et al. (1963). Width of line indicates amplitude of anomaly.
- Figure 8. Location of shots 303 308 by means of air wave arrivals at land stations.
- Figure 9. Location of shots 303 320 from water waves at buoy stations.
- Figure 10. Shot locations, southern profiles.
- Figure 11. Shot locations, northern profiles.
- Figure 12. Reduced travel time plot of SN profile with reduction velocity of 6 km/sec.
- Figure 13. Reduced travel time plot of SN profile with reduction velocity of 8 km/sec.
- Figure 14. Reduced travel time plot of NN profile with reduction velocity of 6 km/sec.
- Figure 15. Reduced travel time plot of NN profile with reduction velocity of 8 km/sec.

TABLE I MECORDING STATIONS ON LAND

STA	ATTON	LATI	TUDE	LONG	SITUDE	UCCU	FIED	OPERATOR
NO	NAME	DEG	MIN	DEG	MIN	FROM	TO	
1101	TIGER	34	34.31	77	42.49	0612	0702	WISCONSIN
1102		34	39.19	77	52.75	0612	0702	WISCONSIN
	HUTEL		49.84	78	12.42	0612		WISCONSIN
	CHARLY	34	52.25	78	23.24	0612		WISCONSIN
	TIGER	38	03.36	75	28.44	0706		WISCONSIN
1106		38	00.92	76	00.98	0706		WISCONSIN
1107			08-65	76	20.45	0706		WISCONSIN
1108		38	33.43	77		0706		WISCONSIN
2100		34	34.71	77	32.49	0615		SCAS(GRC)
2105		34	34.51	77	33.05	0612		SCAS(GRC)
	SRECTY	34	25.48	77	32.83	0620		SCAS (GRC)
	SNUFRD	34	31.01	77	23.17	0623		SCAS(GRC)
2150		37		75		0706		SCAS (GRC)
2160			57.86	75	35.80	0706		SCAS(GRC)
2167			58.10	15	36.71	0706		SCAS(GRC)
2170			55.79	75	22.02	0706		SCAS(GRC)
2180		39	30.16	79		0707		SCAS(GRC)
3001	BRAGG	35	08.48	79	06.34	0619		TULSA
	PLATA	38	34.33	76	53.76	0706		TULSA
3101			29.11		48.17		0702	GA TECH
3101		35	29.11		48.17		0702	GA TECH
3102		38	40.00	77		0706		GA TECH
3102		38	40.00	77		0706		GA TECH
3103			53.62		55.41		0719	GA TECH
3203	PSU	38	14.06		26.34	0706		PENN STATE
3301	PUTTER	34	57.67	77		0619		MICHIGAN
3302	AVENIN	36	09.33	78	01.75	0619	_	MICHIGAN
3303	MUKUCK	36	52.30		40.33	0619		MICHIGAN
3350		38	26.38		07.00	0706		MICHIGAN
3351	TAYLUR		13.75	77	34.67	3706		MICHIGAN
3352			26.83		43.92	0706		MICHIGAN
4102		38	12.85	76	59.40	0629		CARNEGIE
4104		37	52.92	77	1.13	0717		CARNEGIE
4106		37	59.21 59.21	76	46.72	0628		CARNEGIE
4106				76	46.72 16.22	0717	_	CARNEGIE
	UPSTRT UPSTRT	37	52.22	76 77		0718		CARNEGIE
4112			30.97 28.95	76	4.44	0627 0716		CARNEGIE
4114			26.12	76	27.97		0717	CARNEGIE CARNEGIE
	UPSIRT		9.98		7.60		0521	
	UPSTRT	37	7.31		47.02		0714	CARNEGIE
	UPSTRT	36	51.08	77	37.30		0707	CARNEGIE
4124	UPSTRT	36	47.46	77	12.97	0621	0622	CARNEGIE
4124	UPSTRT	36	47.40	7,	12.98	0706	0707	CARNEGIE
4126	UPSTRT	36	46.37	76	48.15		0713	CARNEGIE
4128	UPSTRT	36	44.49	76	21.99	0711	0712	CARNEGIE
4132	UPSTRT	36	31.19	77	38.53		0708	CARNEGIE
4134	UPSTRT	36	30.70	77	16.72		0708	CARNEGIE
4136	UPSTRT	36	28.61	76	53.77		0711	CARNEGIE
4138	UPSTRT	36	23.82	76	33.47	0625		CARMEGIE
4140	UPSTRT	36	21.11	76	7.28	0623	0624	CARNEGIE
4142	UPSTRT		11.67	75	52.88	0624		CARNEGIE

STA	TION	LAT	TUDE	LUN	GITUDE	OCCU	PIED	OPERATOR
NO	NAME	DEG	MIN	DEG	MIN	FROM		or charon
4202	ZULU	36	5.95	77	36.86	0706	0707	CARNEGIE
4204	ZULU	36	7.96	77		0629		CARNEGIE
4204	ZULU	36	7.96	71	20.45	0706		CARNEGIE
4206		36	3.81	76	55.52	0710	0711	CARNEGIE
	ZULU							
4208	LULU	36	10.29	76	37.99	0710	0713	CARNEGIE
4210	ZULU	35	59.21	76	9.25	0625		CARNEGIE
4212	LULU	35	57.40	75	48.50	0627		CARNEGIE
4216	XECKS	35	50.85	78	6.69	0621	0622	CARNEGIE
4218	ZULU	35	48.30	77	43.10	0621	0622	CARNEGIE
4220	XECKS	35	47.50	17	20.10	0624	0625	CARNEGIE
4222	ZULII	35	43.16	77	1.71	0624		CARNEGIE
4222	ZULU	35	43.16	77	1.71	0707		CARNEGIE
4224	ZULU	35	40.98	76	32.76	0711	0714	CARNEGIE
4226	XECKS	35	33.25	76	15.35	0625	0626	CARNEGIE
4228	XECKS	35	42.33	75	46.08	0627	0628	CARNEGIE
4232	XECKS	35	25.10	78	10.50	0623	0624	CARNEGIE
4234	ZULU	35	24.65	77	48.29	0623	0624	CARNEGIE
4236	ZULŲ	35	25.30	77	24.31	0718	0719	CARNEGIE
4238	ZULU	35	22.93	77	6.27	0707	0708	CARNEGIE
4240	ZULU	35	20.14	76	38.20		0718	CARNEGIE
4242	ZULU	35	28.66	76	29.66		0712	CARNEGIE
4246	ZULU	35	4.52	77	26.92		0717	CARNEGIE
4248	ZULU	35	1.59	77	4.03	0716		CARNEGIE
4250	ZULU	35	0.98	76	48.89	0717		CARNEGIE
4302	YUKF	36	42.49	80	52.08	0611	0612	CARNEGIE
4302	YUKE	36	42.49	80	52.08	0621	0622	CARNEGIE
4304	TASMAN	36	40.90	80	27.20	0612	0613	CARNEGIE
4304	TASMAN		40.90	80	27.20	0627		CARNEGIE
4308	YOKE	36	34.35	79	36.75	0625	0626	CARNEGIE
4310	YOKE	36	38.66	79	16.96	0624	0626	CARNEGIE
4312	YUKE	36	37.66	78	46.00	0627		CARNEGIE
4312	YOKE	36	37.66	78	46.00	0717	0718	CARNEGIE
	YOKE	36	35.77	78	31.64	0717	0718	CARNEGIE
4314			36.14	78	6.60	0628	0629	
4316	YOKE	36					07.9	CARNEGIE
4316	AOKE	36	36.14	78	6.60	0718		CARNEGIE
4320	YOKE	36	19.90	80	57.30	0628	0629	CARNEGIE
4320	YOKE		22.53	80	53.27	0706 0707	0707	CARNEGIE
4322	YOKE	36	19.80	80	30.67		0708	CARNEGIE
4324	YUKE		13.86	80	8-23	0707	0708	CARNEGIE
4326	YOKE				46.05			
4326	YOKE		12-51	_	46.05		0711	CARNEGIE
4328	YUKE	36	16.96	79	18.79	0716	0717	CARNEGIE
4330	YUKE	36	11.81	78	56.90	0627	0628	CARNEGIE
4332	YOKE	36	14-03	78	33.17	0629	0630	CARNEGIE
4332	YUKE	36	14.03	79	33.17	0718	0719	CARNEGIE
4334	YUKE	36	14.63	/8	12.29	0711	0712	CARNEGIE
4340	YOKE	35	58.14	80	11.22	0622	0624	CARNEGIE
4342	YOKE	35	54.61	79		0623	0624	CARNEGIE
4344	YOKE	35	55.44	79	26.06	0713	0714	CARNEGIE
4348	YOKE	35	56.15	78	36.98	0712	0713	CARNEGIE
4402	VIRGNA	37	44.23	79	51.23	0615	0619	CARNEGIE
4402	VIRGNA	37	44.23	79	56.23	0716	0717	CARNEGIE
4404	VIRGNA		40.92	79	33.54	0627	0628	CARNEGIE
	VIRGNA		41.45	79	1.37	0628	0629	CARNEGIE
4408	STIMES	37	45.13	78	43.90	0706	0707	CARNEGIE
4408	SUVA	37	45.13	78	43.90	0612	0719	AFTAC
	VIRGNA	37	37.52	78	20.25	0620	0651	CARNEGIE
4414	VIRGNA	37	24.51	79	58.21	0629	0630	CARNEGIE

. A.e.

	ATTON	LATITUDE	LONGITUDE	OCCUPIEO	OPERATOR
NO	NAME	DEG MIN	DEG MIN	FROM TO	
4414	VIRGNA	37 24.51	79 58.21	0716 0617	CARNEGIE
4416	VIRGNA	37 24.86	79 37.49	0710 0712	CARNEGIE
4418	VIRGNA	37 20.33	79 13.26	0619 0620	CARNEGIE
4418	VIRGNA VIRGNA	37 20.33 37 18.28	79 13.26	0712 0713	CARNEGIE
4420	VERGNA	37 18.28	78 51.05 78 51.05	0611 0512 0619 0620	CARNEGIE CARNEGIE
4420	VIRGNA	37 18.28	78 51.05	0707 0708	CARNEJIE
4422	VIRGNA	37 11-18	78 20.77	0707 0708	CARNEGIE
4422	VIRGNA	37 11.18	78 20.77	0718 0719	CARNEGIE
4424	VIRGNA	37 13.43	77 56.21	0621 0622	CARNEGIE
4428	WAYOUT	37 2.66 37 2.00	80 25.22	0628 0629 0717 0718	CARNEGIE CARNEGIE
4432	VIRGNA	36 59.80	79 39.16	0612 0613	CARNEGIE
4432	V:RGNA	36 59.80	79 39.16	0718 0719	CARNEGIE
4434	VIRGNA	36 56.64	79 15.13	0713 0714	CARNEGIE
4436	VIKGNA	36 57.80	78 50.02	0623 0624	CARNEGIE
4438	VIRGNA VIRGNA	36 54.26	78 25.10 77 59.29	0706 0707	CARNEGIE
4440	FNWV	36 52.96 38 32.97	77 59.29 79 30.78	0706 0707 0612 0719	CARNEGIE AFTAC
4506	HAYOUT	38 42.98	78 34.87	0716 0717	CARNEGIE
4508	TASMAN	38 39.22	78 8.95	0717 0718	CARNEGIE
4510	STIMES	38 40.58	77 43.26	0712 0713	CARNEGIE
4512	TUOYAW	38 24.27	79 32.48	0712 0713	CARNEGIE
4514 4516	TUCYAN	38 22.67 38 24.18	79 6.64 78 43.72	0706 0707 0717 0718	CARNEGIE CARNEGIE
4518	TUUYAW	38 25.65	78 8.01	0718 0719	CARNEGIE
4520	XECKS	38 16.98	77 46.39	0716 0717	CARNEGIE
4522	TASMAN	38 19.32	77 23.05	0706 0707	CARNEGIE
4526	WAYBUT	38 6.67	79 31.05	0710 0712	CARNEGIE
4528	HAYOUT	38 3.66	79 10.16	0706 0707	CARNECIE
4530 4532	TUUYAW	38 7.67 37 58.08	78 41.28 78 20.11	0707 0708 0707 0708	CARNEGIE CARNEGIE
4534	TASMAN	37 56.80	77 49.90	0711 0712	CARNEGIE
4536	TASMAN	37 49.10	77 26.40	0710 0711	CARNEGIE
4536	TASMAN	37 49.10	77 26.40	0713 0714	CARNEGIE
4538	TASMAN	37 30.22	77 56.35	0707 0708	CARNEGIE
4542 4544	TASMAN TASMAN	37 21.40 37 49.21	77 35.40 77 30.80	0712 0713 0713 0714	CARNEGIE CARNEGIE
4602	TASMAN	37 56.50	83 13.10	0615 0616	CARNEGIE
	TASMAN	37 12.40	83 20.70	0619 0620	CARNEGIE
4624	TASMAN	37 6.25	82 1.20	0621 0622	CARNEGIE
4626	TASMAN	37 10.70	81 34.40	0623 0624	CARNEGIE
4628 4628	TASMAN	37 4.90 37 4.90	81 11.80 81 11.8G	0624 0626 0629 0630	CARNEGIE CARNEGIE
4630	YUKE	37 2.60	82 54-18	0619 0620	CARNEGIE
4632	YOKE	36 49.22	82 26.85	0620 0621	CARNEGIE
4636	TASMAN	36 46.85	81 36.90	0612 0616	CARNEGIE
4646	TASMAN	37 0.14	81 21.5	0629 0630	CARNEGIE
4650 4704	CGVA	36 37.58 38 35.70	83 15.60	0612 0719	CAPHECIE
4706	TUOYAW	38 6.78	81 57.27 80 16.22	0615 0616 0627 0628	CARNEGIE CARNEGIE
4706	XECKS	38 6.78	RO 19.55	0106 0707	CARNEGIE
4710	HAYOUT	38 8.20	81 3.80	0625 0626	CARNEGIE
4720	TUOYAW	37 44.20	80 21.50	0611 0612	CARNEGIE
4720	TUOYAW	37 44.20	80 21.50	0619 0620	CARNEGIE
4720 4722	TUOYAW	37 44.20 37 50.48	80 21.50 80 42.24	0706 0707 0627 0628	CARNEGIE CARNEGIE
4724	BLHV	37 47.93	81 18.60	0612 0719	AFTAC

ST	ATION	LATITUDE	LONGITUDE	OCCUPIED	OPERATOR
NO	NAME	DEG MIN	DEG MIN	FROM TO	UFERRION
			DEG HIM	TRUM TO	
4728	TUOYAW	37 50.54	81 56.28	0623 0624	CARNEGIE
4734	TUCYAN				
4734			80 47.18	0612 0613	CARNEGIE
	TUBYAW	37 26.24	80 47.18	0619 0620	CARNEGIE
4736	TUCYAW	37 25.83	81 6.05	0622 0623	CARNEGIE
4738	WAYGUT	37 27.78	81 32.34	0621 0622	CARNEGIE
4742	MAYOUT	37 8.58	80 47.90	0620 0621	CARNEGIE
4742	WAYOUT	37 8.58	80 47.90	0629 0630	CARNEGIE
4812	STIMES	39 27.96	79 52.18	0717 0718	CARNEGIE
4820	ZULU	39 9.83	80 17.85	0619 0620	CARNEGIE
4822	STIMES	39 9.71	79 49.37	0716 0717	CARNEGIE
4824	STIMES	39 5.71	79 26.50	0718 0719	CARNEGIE
4832	XECKS	38 48.90	80 17.10	0712 0713	CARNEGIE
4834	XECKS	38 48.00	79 52.50	0711 0712	CARNEGIE
4840	XECKS	38 26.00	80 20.60	0707 0708	CARNEGIE
4842	XECKS	38 26.18	79 54.43	0710 0711	CARNEGIE
4906	GS129	40 31.30	78 49.10	0713 0714	CARNEGIE
4918	GS129	40 9.35	78 23.92	0717 0718	CARNEGIE
4924	BRPA	39 55.45	78 50.68	0612 0719	AFTAC
4928	GS129	39 42.92	78 1.37	0718 0719	CARNEGIE
4932	GS134	39 27.10	78 56.63	0707 0708	CARNEGIE
4934	GS129	39 24.08	78 31.73	0707 0708	CARNEGIE
4936					
	GS134	39 23.55	78 5.68		CARNEGIE
4938	HAYOUT	39 4.80	79 2.22	0713 0714	CARNEGIE
4940	GS129	39 3.69	78 34.94	0706 0707	CARNEGIE
4946	GS152	39 12.45	78 13.00	0706 0707	CARNEGIE
5002	GS129	40 59.07	78 22.10	0716 0717	CARNEGIE
5010	GS114	40 40.44	76 36.93	0712 0713	CARNEGIE
5028	G3114	40 15.77	76 16.79	0716 0717	CARNEGIE
5038	G5114	40 0.84	77 8.74	0717 0718	CARNEGIE
5040	GS130	40 7.24	76 55.70	0716 0717	CARNEGIE
5046	GS114	39 42.38	77 39.89	0706 0707	CARNEGIE
5046	GS114	39 42.38	77 39.89	0718 0719	CARNEGIE
5048	GS130	39 39.85	77 11.83	0717 0719	CARNEGIE
5052	GS1'08	39 33.37	76 24.23	0706 0707	2.230.4016
5054	GS144	39 21.35	77 38.33	0706 070	- morest
5056	CLFARM	39 18.32	77 22.56	0619 063 0	CARNEGIE
5056	CLFARM	39 18.32	77 22.56	0706 0719	CARNEGIE
5058	GS108	39 13.90	76 50.05	0707 0708	CARNEGIE
5066	DELTA	35 16.49	77 9.18	0718 0719	CARNEGIE
5122	STIMES	38 27.73	75 38.54	0628 0629	CARNEGIE
5130	STIMES	37 59.36	75 35.04	0627 0628	CARNEGIE
5202	DELTA	39 7.25	7: 5:17	0619 0620	CARNEGIE
5202	DELTA	39 7,25	77 9.17	0710 0712	CARNEGIE
5202	DELTA	39 7.25	77 9.17	0713 0714	CARNEGIE
5202	DELTA	39 7.25	77 9.17	0716 0717	CARNEGIE
5202	STIMES	39 7.25	77 9.17	0711 0712	CARNEGIE
5204	STIMES	38 58.87	77 21.77	0707 0708	CARNEGIE
5208	STIMES	38 45.52	76 44.85	0713 0714	CARNEGIE
5210	STIMES	38 22.08	76 28.00	0629 0630	CARNEGIE
5216	STIMES	38 51.95	77 41.20	0620 0621	CARNEGIE
		39 4.38	77 8.57		CARNEGIE
5220	DELTA				
5302	OHNY		74 53.30	- -	AFTAC
5304 6001	CPO HOTEL	35 35.68 35 58.28	85 34.22	0612 0719	AFTAC
6002	INDIA		81 36.41	0624 0628	USGS
		36 08.23	82 21-13	0624 0628	USGS
6003	JULIET	36 25 • 15	82 57.15	0624 0628	USGS
6004	KILO	36 37.95	83 51.61	0624 0628	USGS
6005	LIMA	34 31.27	77 42.11	0624 0628	USGS

elliji.

Ariddina.

A HARBINA

STATION LATITUDE **OPERATOR** LUNGITUDE OCCUPIED NO NAME DEG MIN DEG MIN FRUM TO 6006 PAPA 36 55.20 USGS 84 25.32 0624 0628 6007 QUEBEC 34 53.50 78 23.73 0624 0628 USGS 6008 RUMEU 35 08.04 0624 0628 79 14.43 USGS 80 00.06 6009 SIERRA 35 22.08 0624 0628 USGS 6010 TANGU 35 41.36 80 44.38 0624 0628 USGS 75 40.84 *6011 KINGSE 38 03.72 USGS 0706 0719 ***6016 KINGSW** 38 04.32 75 42.25 0706 0719 USGS 0706 0714 *6031 MDRGAE 38 21.89 USGS 76 39.02 *6036 MURGAW 38 22.43 76 40.31 0706 0714 USGS *6041 NEWMAE 38 26.59 76 48.03 0706 0713 USGS ***6046 NEWMAW** 29 27.18 76 49.11 0706 0713 USGS *6051 NEWTUE 76 56.64 0706 0708 38 29.96 USGS 16 52.72 ***6051 DENTSE** 38 27.52 0711 0719 USGS ***6056 NEWTUW** 38 29.95 76 58.08 0706 0708 USGS *6056 DENTSW 38 28.64 0711 0719 76 53.27 USGS ***6061 ANTIUE** 77 41.30 0706 0713 38 51.60 USGS 77 42.81 *6066 ANTION 38 52.24 0706 0713 USGS 77 47.53 0706 0714 *6071 ZULLAE 38 54.17 USGS 0706 0714 *6076 ZULLAW 38 54.59 77 49.11 usgs ***6081 UPPERF** 38 57.66 77 54.65 0706 0714 USGS 0706 0714 *6086 UPPERW 38 58.50 17 55.77 USGS 39 07.85 78 18.19 0706 0712 *6091 FAWCLE USGS 46091 FAHCEF 19 07.98 78 18.18 0712 0719 USGS 78 18.69 0706 0712 *6096 FANCEW 39 08.82 USGS 0712 0719 *6096 FAWCEW 39 08.82 78 18.69 USGS 0706 0714 *6101 DELRAF 39 12.98 78 35.19 USGS 39 13.54 78 36.52 0706 714 USGS *6106 DELRAW *6111 RUMNEE 39 17.05 78 51.22 0706 0719 USGS 39 18.35 0706 0719 78 51.61 USGS *6116 ROMNEW 0716 0719 ***6121 CEDARN** 34 56.31 76 20.76 USGS 0716 0719 34 56.95 76 19.34 *6126 CEDARS USGS * END PUINTS OF ARRAYS. STATION NUMBERS ENDING IN 2, 3, 4 UR 5 ARE INTERMEDIATE POINTS.

OBSERVERS

WISCONSIN: DUN BEDNAREK, BRIAN LEWIS, JOE LAURENCE, RODULFO ANZULEAGA, JERRY MCADUW SCAS(GRC): , A L HALES, ROD GREEN, C E HELSLEY, JOHN DOWLING, TERRY BACON, DAVID EDMUNDSON, HERB HOFF, JUE NATION, J B TONEY, LEE BACON, TOM GLADD TULSA: CHARLES CONLEY. JAMES LAWSON GA TECH: ERNEST KAARSBERG, H W STRALEY III, JOHN HUSTED, LEROY DORMAN, JOHN WILBANKS PENN STATE: BEN HOWELL, RICHARD MERKEL MICHIGAN: L A LEVERAULT, C F FROLICH, F J TANIS, R M TURPENING, J N BAUMLER, R A RANDAZZO, R F HAND, J HOFFMAN, H J BUGAJSKI, D E WILLIS CARNEGIE: L T ALDRICH, P APARICIO, E T ECKLUND, R GREEN, P J HART, P A JUHNSON, D E JAMES, T J SMITH, J S STEINHART, R SUMNER, J P WEBB USGS: DAVID TAYLOR, CLIFF JONES, JOHN TOWRY, GÄYLARD MODRE, HARRY LINS, JOHN VAN SCHAACK, RUBERT RODRIGUEZ, M T GRAVES, J J CLAYTON, G M HOWELL

TABLE II
RECORDING STATIONS AT SEA

STA	LATITUDE	LONG! TUDE	OPERATOR
NO	DEG MIN	DEG MIN	
1332*	37 31.64	74 43.57	WISCONSIN
1333*	37 30.87	74 41.63	WISCONSIN
1334*	37 28.66	74 37.06	WISCONSIN
1336*	37 38-12	75 00.52	WISCONSIN
1356*	37 00-95	74 52.18	WISCONSIN
1359#	36 54.45	74 57.65	WISCONSIN
1362	37 43.0	74 27.1	WISCONSIN
1363	37 59.0	74 15.8	WISCONSIN
1365	38 22.2	74 03.0	WISCONSIN
1366	38 29.0	73 56.4	WISCONSIN
2301	33 24.0	77 15.0	SCAS(GRC)
2302	33 29.8	77 08.5	SCAS(GRC)
2304	33 54.4	76 38.8	SCAS(GRC)
2305	34 02-6	76 30.0	SCAS(GRC)
2306	34 18.3	76 12.0	SCAS(GRC)
2308	34 33.8	75 54.0	SCAS(GRC)
2311	34 12.5	76 34.0	SCASIGRCI
2312	34 21-1	76 57.0	SCAS(GRC)
2313	34 23.9	77 03.5	SCAS(GRC)
2329#	37 44.60	75 14.60	SCAS(GRC)
2330	37 43.1	75 09.0	SCAS(GRC)
2335*	37 20.92	74 29.33	SCAS(GRC)
2342	36 38.9	72 52.8	SCASIGRCI
2343	36 37.2	72 46.4	SCAS(GRC)
2346	36 56.3	73 25.7	SCAS(GRC)
2350	37 08.6	73 54.8	SCAS(GRC)
2353	37 17.6	74 13.2	SCAS(GRC)
2367	37 29.2	74 36.0	SCAS(GRC)

^{*} LOCATION ACCURACY EQUIVALENT TO THAT OF LAND STATIONS

TABLE III SHOTS AT SEA

SHOT	DATE	CHARGE	HOUR SEC	LATITUDE	LONGITUDE	WATER
NO	• • • • • • • • • • • • • • • • • • • •	LBS	E.S.T.	DEG MIN		EPTH FT
102	0619	2000	2207 57.92	34 24.08	76 05.52	157
103	0619	2000	2340 01.87	34 31.42	75 56.36	160
104	0620	2000	0117 01.49	34 39.07	75 48.84	152
105	0620	2000	0250 00.93	34 46.37	75 35.09	242
106	0620	20000	0451 01.72	34 54.08	75 29.08	222
107	0620	200 0	2119 59.93	33 32.99	77 03.62	132
108 ¹	0620	2000	2300 00.75	33 25.46	77 12.42	137
109	0621	2000	0040 02.20	33 17.18	77 21.81	117
111	0621	~000	0359 59.80	33 01.14	77 39.10	582
113	0621	. 100	2050 01.36	33 35.87	77 01.20	127
114	0621	2000	2229 55.51	33 42.77	76 52.06	135
115	0622	2000	0010 02.69	33 50.46	76 43.32	
116	0622	2000	0150 01.83	33 58.47	76 34.47	
117	0622	2000	0330 01.65	34 04.92		
118	0622	2000	0510 00.41	34 14.22	76 16.37	97
119	0623	2000	2200 03.72	34 27.64	77 12.81	52
120	0623	2000	2259 59.66	34 25.86	77 08.29	62
121	0624	2000	0000 00.72	34 24.42	77 03.77	72
122	0624	2000	0100 01.15	34 22.38	77 00.00	82
12?		2000	0200 01.77	34 20.61	16 55.74	87
124	0624	2000	0300 00.67	34 18.81	76 51.26	92
125	0624	2000	0410 00.97	34 16.99	76 45.22	97
126	0624	2000	2100 00.97	34 02.78	76 06.75	1272
128	0625	2000	0055 00.12	33 51.21	75 35.89	9852
132	0625	2000	2059 59.77	34 28.26	77 14.32	47
133	0625	2000	2200 00.65	34 26.85	77 10.22	57
134	0625	2000	2300 00.48	34 24.98	77 05.99	67
135	0626	2000	0000 00.90	34 23.44	77 01.84	75
136	0626	2000	0100 00.52	34 21.71	76 57.69	80
1373	0626	2000	0200 00.82	34 20.10	76 53.53	92
138	0626	2000	0300 00.76	34 18.49	76 49.24	92
139		20000	0520 00.70	34 16.89	76 45.17	95
1404	0627	2000	2100 00.71	34 14.67	76 40.23	98
141	0627	2000	2200 00.46	34 13.43	76 37.17	102
		2000	2300 06.42			
143 144 ⁵	0628	2000	0000 00.57	34 10.64	7t 28.41	107
	0628	2000	0100 01.40	34 08.98	76 24.87	112
145	0628	2000	0200 00.86	34 07.69	76 20.50	132
146	0628	2000	0300 01.21	34 06.22	76 16.60	162
147	0628	2000	0520 00.87	34 04.40	76 14.59	337
149	0628	2000	2310 00.39	33 35.56	74 55.72	12000
150	0629	₹000	0040 00.88	33 31.08	74 43.75	12900
151 153	0629	2000	0230 00.67 2300 00.64	33 26.53 33 53.74	74 31.81 75 45.17	13560 5100
154	0630	2000 2000	0015 00.68	33 50.22	75 35.14	9660
156	0630	2000	0815 00.67	33 22.42	74 21.88	14100
. ,0	0030	2000	0017 00.07	33 66076	17 21.00	17100

Artifellitza.

-44-TABLE III SHOTS AT SEA

SHOT	DATE	CHARGE		LATITUDE		ATER
NO		LBS	E.S.T.	DEG MIN	DEG MIN DEP	
				27 45 20	75 15.75	65
303	0706	2000	2300 00.59	37 45.98	75 10.84	72
304	0707	2000	0000 00.39	37 43.59 37 41.85	75 07.07	102
305	0707	2000	0100 00.56	37 39.98	75 02.67	100
306	0707	2000	0200 00.99	37 36.24	74 58.78	108
307	0707 0707	2000 10000	0430 00.68	37 36.32	74 53.57	108
308	0707	5000	2100 00-41	37 39.60	75 01.38	102
309	0707	2000	2200 00.42	37 37.37	74 56.74	95
310	0707	2000	2300 00.56	37 34.91	74 53.27	124
311	0708	2000	0000 00.58	37 33.49	74 48.07	132
313	0708	2000	0100 00.56	37 31.83	74 43.79	158
314	0708	2000	0200 00.37	37 29.48	74 39.96	187
315	0708	2000	0300 00.50	37 27.85	74 35.89	195
316	0708	10000	0430 00.63	37 25.80	74 31.40	307
320	0711	2000	0240 00.72	37 22.20	74 24.20	1920
322	0711	2000	2115 00.59	36 47.72		0200
323	0711	2000	2300 00.01	36 41.37	_	0800
324	0712	2000	0045 00.80	36 36.57		1460
326	0712	10000	0450 00.58	36 27.17		2240
327	0712		2300 00-44	36 34.06		11400
328	0713	2000	0000 00.54	36 36.70		11400
329	0713	2000	0300 00.36	36 51.11	73 16.63	9690
330		10000	0430 00.68	36 55.06		9480
331	0713		1800 00.84	36 56.16		9300
332	0713		1930 00.67	36 56.13		9300
333	0713		2200 00.61	37 02.18		8700
334	0713		2329 54.07	37 08.33		7200
335	0714	2000	0100 00.43	37 14.34		5400
336 ⁶	0714	2000	0200 00.90	37 17.66		4500
337	0714		0300 00.51	37 20.27		3090
338	0716		2120 00.43	37 12.08		1 11
340	0717		0030 00.76	36 51.83		120
3417			0205 01.26	36 42.05		137
342	0717	2000	0340 00.40	36 31.74		120
343	0717		0450 00.64	36 31.63		215
3448	0717		2030 00.63	38 03.02		222
3458			2205 00.67	38 13.51 38 24.93		200
346	0717		2340 00.56	38 31.35		177
3478	0718		0115 00.52	38 42.40		167
348 ⁸			0249 59.83 0450 00.91	38 49.18		175
349	0718		2055 00.66	38 01.21		205
250	0718		0140 00.64	37 50.60		242
3538 3548	0719		0315 00.59	37 36.99		137
3558	0719		0450 01.40	37 27.11		230
356 ⁹	0719			37 31.80		54
370	0113	2000	3720 00010	2. 2000		
801 []]	0715	,	0916 08.10	37 11.84	74 21-14	

TABLE III

Notes on Sea Shots

- In general that times are accurate to 0.02 sec; locations occurate to ±0.2 km relative to land for shots 102-156, ±0.3 km for shots 303-356. Relative accuracy between shots is greater.
- 1. LORAN C position not well determined. Limits of error ±2 km. Waterwave information for this shot inadequate for independent location.
- Shot time determined from water wave arrival at nearby bunys. Limits of error estimated to be ±0.05
- Shot time determined from water wave arrival at nearby buoys. Limits of error estimated to be ±0.10 sec.
- 4. Position determined by water wave travel time to nearby buoys. Limits of error along line ±0.1 km; perpendicular to line ±2 km.
- 5. Did not detonate at time indicated by firing pulse. Shot time determined from water wave arrivals at ship and nearby buoy. Limits of error ±0.05 sec.
- 6. Shot time determined from water wave arrivals at nearby buoys on both sides of shot. Time accurate to +0.5 sec.
- 7. Shot time determined from water wave arrival at buoys on one side of the shot. Time accurate to +0.1 sec.
- 8. Shots not located by LORAN C. Positions given are estimated from water waves and LORAN A data. Locations of 344, 345, 347 and 348 are accurate to 0.2 km along shooting line and 1.5 km perpendicular to lines. Nocations of 353 and 354 along line accurate to 0.5 km, perpendicular to line to 3 km. Location of 355 along line accurate to 0.5 km, perpendicular line to 1 km.
- 9. Shot time determined from water arrival at ship and estimated length of firing cable. Estimate accurate to ±0.2 sec. Location determined from position of wreck as given on Coast Guard chart.
- 10. Chase III shot. Charge size equivalent to 700 tons

TABLE IV
SHOTS ON LAND AND IN CHESAPEAKE BAY AREA

SHOT	DATE	CHARGE	HOUR SEC	LATITUDE	LONGITUDE	ELEV
NO		LBS	E.S.T.	DLG MIN	DEG MIN	FT
601	0630	2000	0400 00.6	3 37 45.13	78 43.90	
602	0630	2000	0630 00.6	8 37 45.13	78 43.90	
603	0796	2000	2130 00.6	7 38 20.15	76 18.45	
604	0706	2000	2230 01.4	5 38 20.60	76 18.50	
605	0707	2000	0400 00.5	4 37 45.13	78 43.90	
606	0707	2000	0630 00.5	0 37 45.13	78 43.90	
607	0708	2000	0230 06.9	0 38 22.80	76 31.25	
608	0708	2000	0330 00.6	6 38 22.80	76 31.25	
701	0612	€000	0530 00.0	4 34 34.13	83 51.42	1370
702	0612	6000	0559 59.9		87 38.28	595
703	0612	2000	0630 00.3		85 524	660
704	0612	1920	0700 00.4		85 06.01	685
705		10000	0600 00.1		87 38.28	595
706	0613	1200	0030 00.0		83 51.42	1370
707	0616	2000	0631 00.2		87 38.28	595
708	0616	5940	0700 00.1		85 06.01	685
709	0616	6000	0730 00.2		85 52.44	660
710	0616	10000	1330 00.1		93 51.42	1370
711	0619	10000	0530 00.0		83 51.42	1370
712	0620	2100	0530 00.1		84 25.32	800
713	0620	3900	0600 00.6			1105
714	0620	9000	0730 00.0			660
715	0622	7800	0530 00.6	4 36 54.50	84 34.45	955
716	0622	6000	0600 00.1	8 36 04.58	84 54.87	1640
717	062.2	2000	0630 00.0	5 34 21.92	87 10.80	660
718	0623	2100	0530 00.5	7 36 55.19	84 25.32	800
719	0623	6000	0600 00.0	9 34 21.92	87 10.80	660
720	0623	2000	0630 00.0		84 54.87	1640
721	0623	6000	0700 00.0		86 04.48	
722	0628	8000	0559 59.8		82 19.61	2475
723	0629	8580	0600 00.0		84 25.32	800
724	0629	6000	C629 59.9	35 24.47	80 01.58	340
725	0630	1740	0530 00.1		84 25.32	800
726	0630		0600 00.2		80 01.58	340
727	0630	2000	0700 00.1		82 19.61	2475
128	0702	10020	0530 00.6		77 42.83	30
729	0702	2000	0630 00-2		60 01.58	340
730	0722	1200	0530 00.1		83 52.34	1100
731	C723	8010	0530 00-1	34 20.99	83 52.34	1100

TABLE V Travel Times

SOUTHERN P -- : ILES: SEA STATIONS

STATION NO NAME	SHOT	R	RANGE KM.	T	TIME P	VEL. KM/SEC COMMENT
110 11-110						
2301 GRCSEA		7	29.980	0	6.26 1	
2301 GRUSEA		7	49.070	0	9.59 1	
2301 GRCSEA	-	9	68.580	0	13.08 1	
2301 GRCSEA		9	106.300	0	19.30 1	
2301 GRCSEA		9	129.410	0	22.94 1	
2301 GRCSEA		7	32.180	0	6.55 1	
2301 GRCSEA	228	7	35.020	0	7.18 1	
2301 GRCSEA	229	7	40.000	0	8.25 1	
2301 GRCSEA		7	44.280	0	8.48 1	
2302 GRCSEA	107	7	9.510	0	3.10 1	
2302 GRCSEA	108	7	10.740	0	3.17 1	
2302 GRCS&A	113	7	15.670	0	4.19 1	
2302 GRCSEA	114	7	34.760	0	7.49 1	
2302 GRCSEA	115	9	54.270	0	10.85 1	
2302 GRCSEA	217	7	3.250	0	1.92 1	
2302 GRCSEA	227	7	1870	0	4.49 1	
2304 GRCSEA	115	7	10.260	0	3.17 1	
2304 GRCSEA	116	7	8.050	0	3.08 1	
2304 GRCSEA	117	7	27.460	0	7.95 1	
2304 GRCSEA	231	7	6.810	0	2.12 1	
2304 GRCSEA	234	7	5.030	0	2.35 1	
2305 GRCSEA	114	7	48.980	0	10.39 1	
2305 GRCSEA	115	7	29.470	0	7.07 1	
2305 GRCSEA	116	7	11.160	0	3.59 1	
2305 GRCSEA		7	8.250	0	2.92 1	
2305 GRCSEA		7	31.360	Ō	6.62 1	
23G5 GRCSEA		7	26.020	0	6.15 1	
2305 GRCSEA		7	4.420	ō	2.03 1	
2305 GRCSEA		7	0.720	ō	0.28 1	
2305 GRCSEA		7	0.410	Ō	0.21 1	
2305 GRCSEA		7	2.250	0	1.01 1	
2305 GRCSEA		7	10 860	Ö	3.45 1	
2306 GRESEA		7	14,850	ō	4.38 1	
2306 GRCSEA		7	34.280	ō	7.85 1	
2306 GRESEA		9	70.370	ō	13.55 1	
2306 GRCSEA		7	52.060	ō	10.22 1	
2306 GRCSEA		9	32.150	ō	7.03 1	
2305 GRCSEA		9	66.920	ŏ	12.59 1	
2308 GRESEA		7	4.510	ŏ	2.43 1	
2308 GRCSEA		7	13.880	ŏ	4.53 1	
2308 GRESEA		9	11.130	ō	3.96 1	
2308 GRCSEA		7	8.260	ŏ	3.14 1	
2308 GRCSEA		7	12.240	Ö	4.19 1	
2311 GRCSEA		,	18.710	ŏ	4.53 1	
2311 GRCSEA		7	11.250	ŏ	3.11 1	
2311 GRCSEA		7	4.910	ŏ	2.12 1	
2311 GRCSEA		9	1.560	ŏ	0.90 1	
2311 GRCSEA	143	7	8.540	ŏ	3.10 1	
2311 GRCSEA	144	7	15.510	ō	4.40 1	
2311 GRCSEA		7	22.660	ŏ	5.59 1	
				-		

| The content of the

SOUTHER! PROFILES: SEA STATIONS

STATION	SHOT	R	RANGE	T	TIME	P	VEL.
NO NAME			KM.		SEC.		KM/SEC COMMENT
2311 GRCSEA	146	7	29.200	0		1	
2311 GRCSEA	147	7	33.470	0	7.41	1	
2311 GRCSEA	249	9	5.670	0	2.39	1	
2311 GRCSEA	251	7	6.730	0	2.58	1	
2311 GRCSEA	252	7	12.880	0	3.81	1	
2311 GRCSEA	253	7	20.630	0	5.22	1	
2312 GRCSEA	120	7	20.250	0	4.28	1	
2312 GRCSEA	121	9	13.020	0	3.04	1	
2312 GRCSEA	122	9	5.210	0	1.83	1	
2312 GRCSEA	124	9	8.870	0	2.55	1	
2312 GRCSEA	125	9	19.000	0	4.30	1	
2312 GRCSEA	133	9	23.880	0	4.75	l	
2312 GRCSEA	134	7	16.490	0	3.59	1	
2312 GRCSEA	135	7	9.350	0	2.48	1	
2312 GRCSEA	136	9	2.390	0	1.25	1	
2312 GRCSEA	137	7	4.700	0	1.84	1	
2312 GRCSEA	138	7	12.100	0	3.09	1	
2312 GRCSEA	134	9	19.170	0	4.31	1	
2312 GRCSEA	140	9	26.630	0	5.86	l	
2312 GRCSEA	141	9	32.910	0	6.74	l	
2312 GRCSEA	142	9	39.440	0	7.88	1	
2312 GRCSEA	143	9	46.420	0	9.10	1	
2312 GRCSEA	144	9	53.390	0	10.33	1	
2312 GRCSEA	145	9	60.540	0	11.54	1	
2312 GRCSEA	146	9	67.080	0	12.57	ı	
2312 GRCSEA	147	9	71.350	0	13.25	1	
2312 GRCSEA	243	9	20.220	C	4.10	1	
2312 GRCSEA	246	7	1.950	0	1.09	1	
2312 GRCSEA	247	7	9.110	0	2.70	1	
2312 GRCSEA	248	7	14.980	0	3.65	1	
2313 GRCSEA	119	7	15.120	0	3.20	1	
2313 GRUSEA	120	9	7.810	0	2.04	1	
2313 GRCSEA	122	7	7.230	0	1.97	1	
2313 GRCSEA	123	7	13.580	0	3.15	1	
2313 GRCSEA	124	7	21.310	0	4.47	ì	
2313 GRCSEA	125	7	31.440	0	6.40	1	
2313 GRCSEA	132	9	17.710	0	3.68	1	
2313 GRCSEA	133	9	11.440	0	2.61	1	
2313 GRCSEA	134	9	4.050	0	1.43	1	
2313 GROSEA	135	9	3.090	0	1.32	1	
2313 GRCSEA	243	9	7.780	0	2.06	1	
2326 GRCSE	153	7	79.750	Ō	19.04	ī	
2326 GRCSEA	154	7	65.470	0	18.19	ì	
2326 GRCSEA	156	7	45.880	0	15.71	1	
2326 GRCSEA	257	7	67.380	0	21.03	1	
2326 GRCSEA	259	7	57.250	O	16.45	1	
2326 GRCSEA	261	7	49.390	0	16.05	1	
2326 GRCSEA	262	7	45.790	0	15.48	1	
2326 GRCSEA	264	7	42.120	0	15.16	ı	
2326 GRCSEA	265	7	38.350	9	14.56	1	

STA	ATION	SHOT	R	RANGE	T	TIME !	P	VEL.	
NÜ	NAME			KM.		SEC.		KM/SEC	COMMENT
2326	GRESEA	267	7	32.850	0	13.88	1		
	GRESEA		7	31.240	ŏ	13.56	-		
	GRESEA		7	27.360	Ō	13.08	1		
2326	GRCSEA	271	7	23.610	0	12.41	l		
2326	GRCSEA	272	7	19.980	0	11.54	l		
2326	GRCSEA	273	7	18.360	0	11.36	l		
2326	GRCSEA	287	7	17.760	0	11.33	l		
2326	GRCSEA	290	7	21.220	0	12.00	l		
2326	GRESEA	291	7	25.000	0	12.62	1		
2326	GRCSEA	292	7	28.800	0	13.24	l		
2326	GRESEA	293	7	32.680	0	13.74	l		
2326	GRCSEA	295	7	42.180	0	15.15	1		
2326	GRCSEA	296	7	45.780	0	15.68	l		

STATION	SHOT	R	RANGE	T	TIME P	YEL.	
NO NAME			KM.		SEC.	KM/SEC	COMMENT
1101 TIGER	102	8	149.659	0	25.00 1		
1101 11GER	103	8	162.452	0	1		ND RECORD
1101 TIGER	104	8	173.958	0	28.71 1		
1101 TIGER	105	8	195.885	0	1		NO RECORD
1101 TIGER	106	8	206.889	0	32.32 1		
1101 TIGER	107	8	128.176	0	21.90 1		
1101 TIGER	108	8	135.447	0	23.35 1		
11C1 TIGER	109	8	146.111	0	24.50 1		
1101 TIGER	111	8	172.323	0	1		NO RECORD
1101 TIGER	113	8	125.329	0	21.76 1	6.49	
1101 TIGER	114	8	122.839	0	21.18 1	6.34	
1101 TIGER	115	8	121.792	0	20.96 1	6.52	
1101 TIGER	116	8	123.654	0	21.36 1		
1101 TIGER	1.17	8	129.717	0	22.27 1		
1101 TIGER	118	8	137-104	0	23.36 1	6.94	
1101 TIGER	119	8	47.068	0	8.22 1	6.29	
1101 TIGER	120	8	54.632	0	9.47 1	6.56	
1101 TIGER	121	8	62.034	0	10.74 1	6.34	
1101 TIGER	122	8	68.700	0	12.15 1	5.88	
1101 TIGER	123	8	75.875	0	13.75 1		
1101 TIGER	124	8	83.543	0	14.41 1	6.76	
1101 TIGER	125	8	93.402	0	16.14 1	6.57	
1101 TIGER	126	8	158.029	Ü	26.59 1	7.85	
1101 TIGER	128	8	210.143	0	33.78 1	8.01	
1101 TIGER	132	8	44.538	0	7.93 1	6.63	
1101 TIGER	133	8	51.281	0	8.93 1	. 21	
1101 TIGER	134	8	58.478	0	10.07 1	5.94	
1101 TIGER	135	8	65.403	0	11.29 1	6.05	
1101 TIGER	136	8	72.452	Ō	12.72 1	6.12	
1101 TIGER	137	8	79.456	0	13.71 1		
1101 TIGER	138	8	86.656	ō	14.94 1	6.29	
1101 TIGER	139	B	93.539	ŏ	i		NO RECORD
1101 TIGER	140	8	102.085	ŏ	17.70 1	5.92	
1101 TIGER	141	8	107.295	ō	18.43 1	6.64	
1101 TIGER	142	8	113.758	ō	19.61 1	6.61	
1101 T:GER	143	8	120.992	0	20.84 1	6.55	
1101 TIGER	144	8	127.895	0	21.97 1		
1101 TIGER	145	8	135.019	ŏ	23.22 1		
1101 TIGER	146	8	141.596	ō	23.97 1		
1101 TIGER	147	8	145.734	ō	24.70 1	6.54	
1101 TIGER	149	8	278.581	Ŏ	48.10 1		POSSIBLY EARLIER
1101 TIGER	150	8	298.875	ō	46.76 1		-
1101 TIGER	151	8	319.193	ŏ	49.60 1		S/N POOR
1101 TIGER	153	8	195.142	ŏ	30.84 1	8.53	
1101 TIGER	154	8	211.924	ŏ	33.60 1	8.95	
1101 TIGER	156	8	336.349	ŏ	52.09 1		
1102 GAMMA	102	8	166.448	ŏ	1		NO RECORD
1102 GAMMA	103	8	178.552	ŏ	28.71 1	6.78	
1102 GAMMA	104	8	189.327	Ŏ	30.17 1	8.96	
1102 GAMMA	105	8	210.600	Ō	32.67 1	8.55	
					_		

Commence of the Commence of th

STATION	SHOT	R	RANGE	T	TIME	P	VEL.	
NO NAME			KM.		SEC.			COMMENT
								: : - : - : - : - : - : - : - : -
1102 GAMMA	106	8	220.909	0	33.85	1	7.99	
1102 GAMMA	107	8	143.835	0	24.35	ı	5.76	
1102 GAMMA	108	8	149.777	0	25.47	1	6.23	
1102 GAMMA	109	8	158.929	0	26.23	l	9.63	
1102 GAHHA	111	8	182.485	0	29.26	1	10.03	
1102 GAMMA	113	8	141.373	Ō		ì		NO RECORD
1102 GAMMA	114	8	139.914	0	23.88	ī	6.12	
1102 GAMMA	115	8	139.570	Ō	23.85	ī	5.81	
1102 GAMMA	116	8	141.738	0	23.91	i	6.89	
1102 GAMMA	117	8	147.736	0	24.90	ī	8.13	
1102 GAMMA	118	8	154.678	ŏ	• • • • • • • • • • • • • • • • • • • •	ì		NO RECORD
1102 GAMMA	119	8	64.721	Õ	11.18	ī	5.89	
1102 GAMMA	120	8	72.350	Õ	12.32	ī	6.16	
1102 GAMMA	121	8	79.769	ō	13.62	ī	6.07	
1102 SAMMA	122	8	86.510	ō	14.86	ī	5.95	
1102 GAMMA	123	8	93.716	ŏ	16.59	ī	6.10	
1102 GAMMA	124	8	101.405	ō		ī	6.36	
1102 GAMMA	125	8	111.258	ŏ		ī	6.18	
1102 GAMMA	126	8	175.934	ŏ		ī	8.24	
1102 GAMMA	120	8	228.064	ŏ		i	9.62	
1102 GAMMA	132	8	62.160	ŏ		ī	6.20	
1102 GAMMA	133	8	68.948	ŏ		ī	6.07	
1102 GAMMA	134	8	76.219	ŏ		i	6.07	
1102 GAMMA	135	8	83.174	ŏ	14.16	i	6.21	
1102 GAMMA	136	8	90.260	ŏ		i	6.04	
1102 GAMMA	137	8	97.285	ŏ	16.58	ì	6.03	
1102 GAMMA	138	8	104,500	ŏ		i	6.26	
1102 GAMMA	139	8	111.398	ŏ		i	0000	NO RECORD
1102 GAMMA	140	8	119.972	ŏ	20.39	ī	6.33	
1102 GAMMA	141	8	125.191	ŏ		ī	6.08	
1102 GAMMA	142	8	131.660	ŏ		ī		NO RECORD
1102 GAMMA	143	8	138.888	o	23.55	ī	6.22	
1102 GAMMA	144	8	145.801	ŏ	24.60	ì	9.57	
1102 GAMMA	145	8	152.918	ŏ	25.44	ī	8.44	
1102 GAMMA	146	8	159.500	ŏ	26.35	i	8.27	
1102 GAMMA	147	8	163.669	ŏ	27.00	ī	312.	
1102 GAMMA	149	8	296.518	ō	48.17	ī	8.84	
1102 GAMMA	150	8	316.812	ŏ	48.87	i	8.79	
1102 GAMMA	151	8	337.132	ŏ	51.59	ī	8.78	
1102 GAMMA	153	8	213.079	ō	33.10	ī	8.08	
1102 GAMMA	154	8	229.858	ō	35.82	ī	8.68	
1102 GAMMA	156	8	354.292	Ŏ	55.08	ī		
1103 HOTEL	102	8	199.740	Ö		ī		NO RECORD
1103 HOTEL	103	8	210.599	ō	33.09	ī		
1103 HOTEL	104	8	220.048	Ŏ		ī		NO RECORD
1103 HOTEL	105	8	240.041	0	36.57	ì		
1103 HOTEL	106	8	249.051	0	37.18	1		
1103 HOTEL	107	8	177.085	0		ı		
1103 HOTEL	108	8	101.234	0	29.56	1		
1103 HOTEL	109	8	188.176	0	30.29	1		

STATION	SHOT	R	RANGE	T	TIME	P	VEL.	
NO NAME			KM.		SEC.		KM/SEC	COMMENT
1103 HOTEL	111	8	207.414	0	32.48			
1103 HOTEL	113	8	141.122	0	28.80	1		
1103 HOTEL	114	8	174.898	0	28.39	ı,		
1103 HOTEL	115	8	175.289	0	28.28	1		
1103 HOTEL	116	8	177.630	0	29.73	1		MAY NOT BE FIRST
1103 HOTEL	117	8	183.333	0	29.52	l		
1103 HOTEL	118	8	189.387	Ð	30.56	ı		
1103 HOTEL	113	8	99.909	0	16.84	ı		
1103 HOTEL	120	8	107.574	0	17.99	1		
1103 HOTEL	121	8	114.980	0	19.28	1		
1103 HOTEL	122	8	121.806	0	20.60	1		
1103 HOTEL	123	8	129.040	0	22.34	1		
1103 HOTEL	124	8	136.744	0	23.03	1		
1103 HOTEL	125	8	146.565	0	24.70	1		
1103 HOTEL	126	8	211.254	0		l		S/N POOR
1103 HOTEL	128	8	263.386	0		1		S/N POOR
1103 HOTEL	132	8	97.330	0	16.44	ı		
1103 HOTEL	133	8	104, 125	0	17.49	l		
1103 HOTEL	134	8	111.456	0	18.68	1		
1103 HOTEL	135	8	118.424	0	19.90	1		
1103 HOTEL	136	8	125.540	0	21.10	1		
1103 HOTEL	137	8	132.580	0	22.31	l		
1103 HOTEL	138	8	139.803	0	23.51	ı		
1103 HOTEL	139	8	146-713	0	24.68	1		
1103 HOTEL	140	8	155.321	0	26.08	ı		
1103 HOTEL	141	8	160.549	0	26.91	1		
1103 HOTEL	142	8	167.021	17	27.60	1		
1103 HOTEL	143	8	174.227	0	28.58	1		
1103 HOTEL	144	8	181.151	0	29.33	1		
1103 HOTEL	145	8	188.247	0	30.02	1		
1103 HOTEL	146	8	194.831	o	31.20	ı		
1103 HOTEL	147	8	199.063	0	31.90	1		
1103 HOTEL	149	8	331.853	0		1		S/N POOR
1103 HOTEL	150	8	352-142	0		1		S/N POOR
1103 HOTEL	151	8	374.459	0		1		S/N POOR
1103 HOTEL	153	8	248.446	0	33.40).		
1103 HOTEL	154	8	265.211	0	40.82	l		
1103 HOTEL	156	8	389.626	0		1		NO RECORD
1104 CHARLY		8	216.815	0		1		NO RECORD
1104 CHARLY	103	8	227.582	0	35.09	1		
1104 CHARLY		8	236.859	0	36-04	1		
1104 CHARLY	105	8	256.624	0	38.33	1		
1104 CHARLY		8	265.373	0	39.36	1		
1104 CHARLY		8	190.862	0	30.69	l		
1104 CHARLY		8	193.897	0		1		NO RECORO
1104 CHARLY	109	8	199.556	0	31.96	1		
1104 CHARLY		8	216.378	0	33.90	1		
	113	8	189.236	0	30.56	1		
1104 CHARLY		8	189.940	0	30.35	1		
1104 CHARLY	115	8	191.112	0	30.43	1		

ehe-

ST	ATION	SHOT	R	RANGE	T	TIME	P	VEL.		
NO	NAME		•••	KM.	Ť	SEC.		KM/SEC	COMM	FNT
1104	CHARLY	116	8	194.057	0	31.05	1		QUES	TIONABLE
1104	CHARLY	117	8	200.116	0	31.48	1			
1104	CHARLY	118	8	206-420	0	32.50	1			
1104	CHARLY	119	8	116.822	0	19.63	1			
1104	CHARLY	120	8	124.483	0	20.75	ì			
1104	CHARLY	121	8	131.896	0	21.99	1			
1104	CHARLY	122	8	138.701	0	23.27	1			
	CHARLY	123	8	145.929	0	24.99	1			
	CHARLY		8	153.631	0	25.64	1			
		125	8	163.466	0	27.20	1			
	CHARLY		8	228.162	0	35.53	ì			
	CHARLY	128	8	280.299	0		1		5/N	POOR
	CHARLY		8	114.245	0	19.15	1			
	_	133	8	121.043	0	20.19	ì			
	CHARLY		8	128.363	0	21.38	1			
	CHARLY	135	8	135.331	0	22.53	ì			
	CHARLY	136	8	142.442	0	23.69	l			
		137	8	149.480	0	24.95	1			
	CHARLY	138	8	156.702	0	26.15	1			
		139	8	163.611	0	27.18	1			
	CHARLY	_	8	172.210	0	28.32	1			
	CHARLY		8	177.493	0	28.91	1			
		142	8	183.909	0	29.70	1			
		143	8	191.123	Ü	30.56	1			
		144	8	198.045	0	31.31	1			
	CHARLY		8	205.149	0	31.73	1			
	CHARLY	146	8	211.733	0	33.07	ì			
	CHARLY		8	215.943	0	33.56	ì		Oues:	
	CHARLY		8 8	348.766 369.057	0	55.11 55.38	ì		Ans2	TIONABLE
		151	8	389.376	0	57.35	1			
		153	8	265.342	0	40.08	1			
	CHARLY		8	281.113	0	42.77	ì			
	CHARLY		8	400.541	0	72.11	î		S/N 1	2008
		_		OR ADVANCES	-	TUDIES	_	ADUATE 6		RCH CENTER)
	HLR-3E		9	135.500	່ ດໍ	22.84	ì			ONSET
		104	9	158.650	ŏ	26.39	î			SIGNAL
	HLR-8E	105	9	180.610	ŏ	28.97	ī			ONSET
	HLR-BE	107	9	122.430	ō	20.96	ī			ONSET
2100	HLR-8E	108	9	131.700	Ō	22.87	ī			ONSET
2100	HLR-8E	109	9	144.260	0	24.14	ı	5.50	G000	ONSET
2100	HLR-8E	111	9	173.270	0	28.30	1		6000	ONSET
2105	HLR-3E	113	9	119.730	0	20-91	1	6.10	G000	ONSET
2100	HLR-8E	114	9	114.370	0	19.82	ì			ONSET
	HLR-BE	115	9	111.330	0	19.26	1	6.00	G000	ONSET
2100		117	9	116.310	0	80.08	1	5.90	G000	ONSET
	HLR-8E	118	9	122.640	0	21.18	ì			ONSET
	HLR-8E	119	9	32.820	0	6.05	ì	6.00	G000	ONSET
	HLR-8E	120	9	40-440	0	7.24	1			ONSET
	HLR-BE	121	9	47.860	0	8.54	1			ONSET
2100	HLR-8E	122	9	54.670	0	9.82	1	5.80	GDOO	ONSET
					•		•			0.102.

SOUTHERN PAOFILES: LAND STATIONS

STA	TION	SHOT	R	RANGE	T	TIME	P	VEL.	
NO	NAME			KM.		SEC.		KM/SEC	COMMENT
2105	HLR-3E	123	9	62.920	0	10.84	1		GOOD ONSET
	HLR-BE	124	9	69.620	0	12.22	1	5.80	
	HLR-8E	125	9	79.460	0	13.92	1	5.70	
	HLR-8E	126	9	144.170	0	24.85	i		GOOD ONSET
	HLR-8E	132	9	30.210	0	5.60	1		GOOD ONSET
	HLR-8E	133	9	36.990	0	6.71	1	6.30	
	HLR-8E	134	9	44.330	0	7.87	1	5.70	
	HLR-8E	135	9	51.330	0	9.11	1	-	GOOD ONSET
	HLR-BE	136	9	58-450	0	10.28	ļ		GOOD ONSET
	HLR-8E	137	9	65-460	0	11.55	1		GDOO ONSET
	HLR-8E	138	9	72.690	0	12.71	1		GOOD ONSET
	HLR-8E	139	9	79.610	0	13.90	1	_	GOOO ONSET
	HLR-8E	140	9	88-220	0	15.34	1		
	HLR-BE	141	9	93.460	0	16.20	ļ		WEAK SIGNAL
	HLR-8E	142	9	99.930	0	17.57	1		GOOD ONSET
	HLR-8E	143	9	107-130	0	18.61	1	6.10	
	HLR-BE	144	9	114.060	0	19.73	1		GOOD ONSET
	HLR-8E	145	9	121-160	0	20.77	1	_	MODERATE AMPL
	HLR-8E	146	9	127.730	0	21.91	1		WEAK SIGNAL
	HLR-8E	147	9	131.970	0	22.57	1		GOOD ONSET
	HLR-8E	728	9	16.490	0	3.15 17.80	1	4.20	GOOD ONSET
	SRECTY	114	9	100.840	0		1		NOISY
	SRFCTY	115	9	99.910	0	17.75	1		GOOD ONSET
	SRECTY	121	9	44.530	0	7.95	1		
	SRECTY	124	9	64.900	0	11.50			GOOD ONSET
	SRECTY	125	9	74.650	0	13.11	1		MODERATE AMPL
	SRECTY		9	138.680	0		ì		MODERATE AMPL
2120	SRECTY	134	9	41.130 47.590	0	7.27 8.39	ì		GOOD ONSET
		135	9	54.270		9.75	ì		MODERATE AMPL
	SRECTY	136 139	9	74.780	0	13.06	1		GOOD ONSET
_	SRECTY	_	9	94.610	Ö	16.46	i		MODERATE AMPL
2120	SRECTY	144	9	108.660	0	18.79	į		GOOD DMSET
2130	NOFRD	120	9	24.630	Ö	4.66	ì		GOOD ONSET
2130	SNOFRD	122	9	38.910	ŏ	7.15	i		GOOD ONSET
		123	9	46-100	ō	8.29	i		GOOD ONSET
		124	ģ	53.820	ŏ	9.57	i		GOOD ONSET
	SNOFRD	125	ģ	63.660	ŏ	11.27	i		GOOD ONSET
		126	ý	128.360	ŏ	22.71	ī		MODERATE AMPL
		128	9	180.510	ō	31.26	ī		WEAK SIGNAL
	SNDFRD	132	9	14.450	Ō	2.97	ì		GODD DNSET
_	SNOFRD	133	9	21.250	ō	4.10	ī		GOOD ONSET
	SNOFRD	134	9	28.550	0	5.31	ī		GOOO ONSET
	SNDFRD	135	9	35.520	O	6.53	l		GOOD ONSET
2130	SNOFRD	136	9	42.600	0	7.75	1		GOOD ONSET
2130	SNOFRD	137	9	49.650	0	8.95	1		GOOD ONSET
2130	SNDFRD	138	9	56.890	0	10.16	1		GOOD ONSET
2130	SNOFRD	139	9	63.810	0	11.38	1		GOOD ONSET
2130	SNOFRD	140	9	72.430	0	12.73	1		GOOD ONSET
2130	SNOFRO	141	9	77.630	0	13.65	1		401SY

ĝ

-

STA	ATION	SHOT	R	RANGE	T	TIME	P	VEL.		
NO	NAME			KM.		SEC.		KM/SEC	COMME	NT
					_	.				
-	SNOFRD	142	9	84-110	0	14.73	1			ONSET
	SNDFRD	144	9	98.240	0	17.98	1		WEAR	SIGNAL
	ERSLTY	OF T		22/ 152					04 07	
3001	BRAGG	105	9	324.153	1	48.22	1		PN PC	JUK
3001	BRAGG	105	9	324.153	1	53.73	0		POOR	
201	BRAGG	106	9	331.525	1	49.56	1		PN PC	JUK
•	BRAGG	106	9	331.525	1	54.42	0		POOR	
•	BRAGG	106	9	331.525	1	57.68			WEAK	
_	BRAGG	107	9	258.014	1	39.18	1		PN PC	JUK
1000	BRAGG	107	9	258.014	1	39.60			FAIR	
001ڌ	BRAGG	108	9	258.521	1	40.14	1		PN GO	
3001	BRAGG	108	9	258.521	1	40.46	0		STROM	_
3001	BRAGG	109	9	260.971	1	41.88	1		PN PC	JUK
3, 31	BRAGG	109	9	260.971	l	45.10			WEAK	
3001	BRAGG	111	9	270.964	l	40.42	1		PN GO	טטנ
3001	BRAGG	111	9	270.964	1	40.73	0		FAIR	
3001	BRAGG	111	9	270.964	1	43.86			FAIR	
3001	BRAGG	113	9	257.129	1	40.44	1		PN GO	100
3001		113	9	257.129	1	41.67			FAIR	
3001	BRAGG	114	9	259.655	1	34.73	ı		PN GO	000
3001	BRAGG	114	9	259.655	1	38.04	0		FAIR	
3001	BRAGG	114	9	259.655	1	41.15	0		FAIR	
3001	BRAGG	115	9	262.173	1	42.18	1		PN G	טסט
3001	BRAGG	115	9	262.173	1	46.07	0		FAIR	
3001	BRAGG	115	9	262.173	1	45.21	0		STRO	
3001	BRAGG	115	9	262.173	1	45.68	0		STRO	
3001	BRAGG	116	9	265.917	1	41.83	1		PN P	OOR
3001	BRAGG	116	9	265.917	1	42.20	0		WEAK	
3001	BRAGG	116	9	265.917	1	44.96			STRO	
3001	BRAGG	116	9	265-917	1	45.65			STRO	
3001	BRAGG	116	9	265.917	1	49.25			STRO	_
3001	BRAGG	117	9	272.219	1	42.4B	1		PN P	OOR
3001	BRAGG	117	9	272.219	1	46.09			FAIR	
3001	BRAGG	118	9	278.283	1	42.21	1		PN P	DOR
3001	BRAGG		9	278.283	1	45.1B			FAIR	
3001	BRAGG	119	9	168.896	1	34.47			PN G	
3001	BRAGG	119	9	188.896	1	34.98	3		STRO	
3001	BRAGG	119	9	186.896	1	36.07			STRO	NG
3001	BRAGG		Ò	188.896	1	42.11	5		WEAK	
3001	BRAGG	121	9	203.963	1	33.13	1		PN P	
3001	BRAGG	121	9	203.963	1	34.16	3		STRO	
3001	BRAGG	121	9	203.963	1	35.57			STRO	NG
3001	BRAGG	121	9	203.963	1	40.76	5		FAIR	
3001	BRAGG	121	9	203.963	1	41.B2	6		WEAK	
3001	BRAGG	122	9	210.776	1	34.64	1		PN G	
3001		122	9	210.776	1	35.84	3		STROM	-
3001	BRAGG	122	9	210.776	l	37.21	4		STHO	10
3001	BRAGG	122	9	210.776	1	42.47			FAIR	
3001	BRAGG	122	9	210.776	1	43.44	6		WEAK	100
3001	BRAGG	124	9	225.717	ļ	35.98	l		PN PO	JUK
3001	BRAGG	124	9	225.717	l	37.48	2		FAIR	

SOUTHERN PROFILES: LAND STATIONS

C T A	TION	SHOT	R	R ANGE	ī	TIME	ρ	VEL.	
NO	NAME	3,101	•	KM.		SEC.		KM/SEC	COMMENT
710	14411								
3001	BRAGG	124	9	225.717	ı	37.65	3		STRONG
3001	BRAGG		9	225.717	1	34.2B	4		STRONG
3001	BRAGG		9	225.717	1	42.77			STRUNG
3001	BRAGG		9	225.717	ı	43.77			FAIR
3001	BRAGG		9	235.550	ı	37.84	l		PN GOOD
3001	BRAGG		9	235.550	1	39.32	2		WEAK
3001	BRAGG		9	235.550	ì	39.35	_		STRONG
3001	BRAGG		9	235.550	1	39.66			FAIR
3001	BRAGG		9	235.550	ı	44.44			STRONG
3001	BRAGG		9	235.550	1	45.50			FAIR
3001	BRAGG		9	300.245	1	45.40	ı		PN POOR
3001	BRAGG		9	300.245	1	46.64			POOR
3001	BRAGG	126	4	300.245	1	47.95			POOR
3001	BRAGG	126	9	300.245	ı	49.73			POOR
3001	BRAGG	126	9	300.245	1	50.23			POOR
3001	BRAGG	126	9	300.245	l	51.6B			POOR
3001	BRAGG	126	9	300.245	1	53.95			LARGE AMP LOW FREQ
3001	BRAGG	132	9	186.313	1	30.00			PN FAIR
3001	BRAGG	132	9	186.313	1	30.62			STRONG
3001	BRAGG	132	9	186.313	1	3B.94			WEAK
3001	BRAGG	133	9	193.120	l	31.59			PN FAIR
3001	BRAGG	133	9	193.120	1	32.51			STRONG
3001	BRAGG	133	9	193.120	ı	35.65	4		FAIR
3001	BRAGG	133	9	193.120	ı	40.30			WEAK
3001	BRAGG	134	9	200.446	ı	32.38			PN FAIR
3001	BRAGG	134	9	200.446	l	33.42	3		FAIR
3001	BRAGG	134	9	200.446	l	34.96			STRONG
3001	BRAGG	134	9	200.446	l	40.22	5		FAIR
3001	BRAGG	134	9	200.446	l	41.96			MEAK
3001	BRAGG	135	9	207.408	ı	34.09			PN FAIR
3001	BRAGG	135	4	207.40B	1	34.91			STRONG
3001	BRAGG	135	4	207.408	1	36.94			STRONG
3001	BRAGS	135	9	207.408	1	42.14			FAIR
3001	BRAGG	135	9	207.408	1	43.22			WEAK
3001	BRAGG		9	214.532	ı	34.44			PN POOR
3001	BRAGG		9	214.532	ì	35.53			STRONG
3001	BRAGG	136	9	214.532	1	37.80			STRONG
3001	RRAGG		9	214.532	1	42.50			FAIR
?001	BRAGS		9	214.532	1	43.68			HEAK
3001	BRAGG		9	228.785	1	36.64			PN POOR
3001	BRAGG		9	228.785	1	38.07			STRONG
3001	BRAGG		9	228.785	1	38.78			STRONG
3001	BRAGG		Ò	228.785	1	40.50			STRONG
3001	BRAGG		9	228.785	1	43.50			STRONG
3001	BRAGG		9	228.785	1	45.60			FAIR
3001	BRAGG		ð	235.688	1	37.13			PN POOR
3001	BRAGG		9	235.688	1	39.26			STRONG
3001	BRAGG		9	235.683	ı	39.93	_		STRONG
30	BRAGG		9	235.66	l	42.33			STRONG
30. 1	BRAGG	139	9	235.688	ı	44.03	5		STRONG

and the Col

STA	TION	SHOT	R	RANCE	T	TIME P	VEL.	
NO	NAME			KM.	•	SEC.	_	COMMENT
3001	BRAGG	139	9	235.688	1	46.08 6		FAIR
3001	8RAGG	140	9	244.294	1	37.97 1		PN POOR
3001	BRAGG	140	9	244.294	1	40.26 2		WEAK
3001	BRAGG	140	9	244.294	1	40.87 3		FAIR
3001	BRAGG	140	9	244.294	1	42.28 4		STRUNG
3001	8RAGG	140	9	244.294	1	45.10 5		FAIR
3001	BRAGG	140	9	244.294	1	46.43 6		FAIR
3001	BHAGG	141	9	249.516	1	38.42 1		PN POOR
3001	BRAGG	141	9	249.516	1	40.94 2		FAIR
3001	8RAGS	141	9	249.516	1	41.50 3		STRONG
3001	BRAGG	141	9	249.516	1	43.72 4		FAIR
3001	BRAGG	141	9	249.516	1	45.70 5		STRONG
3001	BRAGG	141	9	249.516	ì	46.70 6		FAIR
3001	8RAGG	142	9	255.997	1	39.27 1		PN POOR
3001	BRAGG	142	9	255.997	1	41.64 2		WEAK
3001	8RAGG	142	9	255.997	1	42.17 3		FAIR
3001	BRAGG	142	9	255.997	1	44.14 4		FAIR
3001	BRAGG	142	9	255.997	1	45.73 5	1	FAIR
3001	BRAGG	142	9	255.997	1	47.25 6	1	FAIR
3001	8R4GG	143	9	263.212	1	40.13 1		PN POOR
3001	BRAGG	143	9	263.212	1	42.60 2		WEAK
3001	BRAGG	143	9	263.212	1	43.20 3	ŀ	FAIR
3001	8RAGG	143	9	263.212	1	45.62 4	•	FAIR
3001	BRAGG	143	9	263.212	1	46.38 5	1	FAIR
3001	BRAGG	143	9	263.212	1	48.00 6	1	FAIR
3001	8RAGG	144	9	270.127	1	41.40 1		PN POOR
3001	8RAGG	144	9	270.127	1	44.14 2		MEAK
3001	BRAGG	144	9	270.127	1	45.12 3	i	FAIR
3001	8RAGG	144	9	270.127	1	47.24 4	•	FAIR
3001	8RAGG	144	9	270.127	1	47.72 5	1	FAIR
3001	8RAGG	144	9	270.127	1	49.25 6	•	POOR
3001	8RAGG	145	9	277.225	1	42.27 1		PN POOR
3001	8RAGG	145	9	277.225	1	43.77 8	i .	POOR
3001	BRAGG	145	9	277.225	1	45.11 2		POOR
3001	8RAGG	145	9	277.225	1	46.46 3	l .	POOR
3001	8RAGG	145	9	277.225	1	48.56 4		POOR
3001	8RAGG	145	9	277 225	1	48.80 5		POOR
3001	BRAGG	146	9	283 814	1	43.65 1		PN FAIR
3001	8RAGG	146	9	283.814	1	44.88 8		POOR
3001	8RAGG	146	9	283.814	1	6.20 2		POOR
3001	8RAGG		9	283.814	1	47.55 3		FAIR
3001	8RAGG		9	283.814	1	49.94 5		FAIR
3001	8RAGG		9	283.814	1	50.91 4		FAIR
3001	BRAGG		9	288.042	i	43.70 1		PN FAIR
3001	BRAGG		9	288.042	1	45.22 8		POOR
3001	8RAGG		9	288.042	1	40.62 2		POOR
3001	8RAGG		9	288.042	ì	48.19 3		POOR
3001	BRAGG		9	288.042	1	49.96		POOR
3001	RAGG		9	288.042	i	50.68 4		POOR
3001	BRAGG	149	9	420.839	1	64.07 2		POOR

*

٠.

NO NAME	5.1	TION	SHOT	R	R ANGE	ī	TIME	P	VF f. •	
3001 8RAGG 149 9 420.839 1 66.42 9 POOR 3001 8RAGG 150 9 441.121 1 67.22 2 POOR 3001 8RAGG 150 9 441.121 1 67.22 2 POOR 3001 8RAGG 151 9 461.442 1 69.86 9 POOR 3001 8RAGG 151 9 461.442 1 70.46 9 POOR 3001 8RAGG 151 9 461.442 1 70.46 9 POOR 3001 8RAGG 151 9 461.442 1 70.46 9 POOR 3001 8RAGG 151 9 461.442 1 70.46 9 POOR 3001 8RAGG 151 9 461.442 1 70.46 9 POOR 3001 8RAGG 151 9 461.442 1 70.46 9 POOR 3001 8RAGG 151 9 461.442 1 70.46 9 POOR 3001 8RAGG 151 9 461.442 1 70.46 9 POOR 3001 8RAGG 151 9 461.492 1 70.46 9 POOR 3001 8RAGG 151 9 461.492 1 70.46 1 GOOD 3101 GEOTEC 103 8 368.428 0 52.50 1 FAIR 3101 GEOTEC 104 8 375.389 0 1 1							SEC.		KM/SEC	COMMENT
3001 8RAGG 149 9 420.839 1 80.58 0 LARGE AMP LOW FREQ 3001 8RAGG 150 9 441.121 1 68.68 9 POUR 3001 8RAGG 150 9 441.121 1 68.68 9 POUR 3001 8RAGG 151 9 461.442 1 69.86 2 POUR 3001 8RAGG 151 9 461.442 1 70.46 9 POUR 3001 8RAGG 151 9 461.442 1 70.46 9 POUR 3001 8RAGG 151 9 461.442 1 70.46 9 POUR 3001 8RAGG 151 9 461.442 1 70.46 9 POUR 3001 8RAGG 151 9 461.442 1 70.46 9 POUR 3001 8RAGG 151 9 461.442 1 70.46 9 POUR 3001 8RAGG 151 9 461.442 1 70.46 9 POUR 3001 8RAGG 151 9 461.442 1 70.46 9 POUR 3001 8RAGG 150 8 RAGG 124 9 RAGG 124 9 RAGG 124 9 POUR 3001 8RAGG 150 9 8 RAGG 1 14.61 1 GOUD 3101 GEOTEC 103 8 368.428 0 52.50 1 FAIR 3101 GEOTEC 105 8 392.461 0 1 1										
3001 8RAGG 150 9 441.121 1 67.22 2 POOR 3001 8RAGG 150 9 441.121 1 68.68 9 POOR 3001 8RAGG 151 9 461.442 1 69.66 9 POOR 3001 8RAGG 151 9 461.442 1 70.46 9 POOR 3001 8RAGG 151 9 461.442 1 70.46 9 POOR 3001 8RAGG 151 9 461.442 1 70.46 9 POOR 3001 8RAGG 151 9 461.442 1 70.46 9 POOR 3001 8RAGG 151 9 461.442 1 70.46 9 POOR 3001 8RAGG 151 9 461.442 1 70.46 9 POOR 3001 8RAGG 151 9 461.442 1 70.46 9 POOR 3001 8RAGG 151 9 461.442 1 70.46 9 POOR 3001 8RAGG 151 9 461.442 1 70.46 1 GOOD 3001 8RAGG 151 9 461.442 1 70.46 1 GOOD 3101 GEOTEC 102 8 359.658 0 1 FAIR 3101 GEOTEC 103 8 386.428 0 52.50 1 FAIR 3101 GEOTEC 106 8 398.541 0 55.87 1 GOOD 3101 GEOTEC 107 8 330.386 0 1 GOOD 3101 GEOTEC 108 8 330.365 0 47.64 1 FAIR 3101 GEOTEC 109 8 331.364 0 1 FAIR 3101 GEOTEC 118 8 337.760 0 48.23 1 FAIR 3101 GEOTEC 111 8 337.760 0 48.23 1 FAIR 3101 GEOTEC 113 8 330.258 0 47.77 1 GOOD 3101 SHELL 111 8 337.760 0 48.27 1 FAIR 3101 GEOTEC 114 8 333.365 0 47.73 1 GOOD 3101 SHELL 118 8 330.258 0 47.71 1 GOOD 3101 SHELL 118 8 333.365 0 47.73 1 GOOD 3101 SHELL 118 8 333.365 0 47.73 1 GOOD 3101 SHELL 118 8 333.365 0 47.71 1 POOR 3101 GEOTEC 116 8 339.840 0 48.58 1 GOOD 3101 SHELL 116 8 339.840 0 48.58 1 GOOD 3101 SHELL 117 8 345.845 0 50.41 1 POOR 3101 SHELL 118 8 345.845 0 50.41 1 POOR 3101 GEOTEC 119 8 262.342 0 39.18 1 FAIR 3101 GEOTEC 119 8 262.342 0 39.18 1 FAIR 3101 GEOTEC 119 8 262.342 0 39.18 1 FAIR 3101 GEOTEC 128 8 270.007 0 40.05 1 FAIR 3101 GEOTEC 128 8 270.007 0 40.05 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.870 0 40.05 1	3001	BRAGG	149	9	420.839	ı	66.42	9		POOR
3001 8RAGG 150 9 441.121 1 67.22 2 POOR 3001 8RAGG 151 9 461.442 1 69.86 2 POOR 3001 8RAGG 151 9 461.442 1 70.46 9 POOR 3001 8RAGG 151 9 461.442 1 70.46 9 POOR 3001 8RAGG 724 9 8R.805 1 GOOD 3010 GEOTEC 102 8 359.658 0 1 3101 GEOTEC 103 8 368.428 0 52.50 1 FAIR 3101 GEOTEC 106 8 398.541 0 55.87 1 GOOD 3101 GEOTEC 106 8 398.541 0 55.87 1 GOOD 3101 GEOTEC 108 8 330.365 0 47.64 1 FAIR 3101 GEOTEC 109 8 331.364 0 1 FAIR 3101 GEOTEC 111 8 337.760 0 48.23 1 FAIR 3101 GEOTEC 111 8 337.760 0 48.27 1 FAIR 3101 GEOTEC 111 8 337.760 0 48.27 1 FAIR 3101 GEOTEC 111 8 337.760 0 48.27 1 FAIR 3101 GEOTEC 111 8 330.258 0 47.77 1 GOOD 3101 GEOTEC 115 8 330.365 0 47.81 1 FAIR 3101 SHELL 111 8 333.365 0 47.81 1 FAIR 3101 SHELL 111 8 333.365 0 47.71 1 GOOD 3101 SHELL 111 8 333.365 0 47.71 1 GOOD 3101 SHELL 111 8 333.365 0 47.71 1 GOOD 3101 SHELL 111 8 333.365 0 47.71 1 GOOD 3101 SHELL 111 8 333.365 0 47.71 1 GOOD 3101 SHELL 111 8 333.365 0 47.71 1 GOOD 3101 SHELL 111 8 334.48 0 47.98 1 GOOD 3101 SHELL 115 8 336.148 0 50.11 1 POOR 3101 SHELL 116 8 339.840 0 47.98 1 GOOD 3101 SHELL 117 8 345.845 0 50.40 1 POOR 3101 SHELL 117 8 345.845 0 50.40 1 POOR 3101 SHELL 117 8 345.845 0 50.40 1 POOR 3101 SHELL 117 8 345.845 0 50.40 1 POOR 3101 SHELL 117 8 345.845 0 50.40 1 POOR 3101 SHELL 117 8 345.845 0 50.40 1 POOR 3101 SHELL 117 8 345.845 0 50.40 1 POOR 3101 SHELL 117 8 345.845 0 50.40 1 POOR 3101 GEOTEC 128 8 270.007 0 40.65 1 FAIR 3101 SHELL 121 8 277.394 0 40.65 1 FAIR 3101 SHELL 124 8 299.187 0 44.36 1 FAIR 3101 SHELL 124 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.21 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.21 1 FAIR 3101 GEOTEC 128 8 291.870 0 44.36 1 FAIR 3101 GEOTEC 128 8 291.870 0 44.36 1 FAIR 3101 GEOTEC 128 8 291.870 0 44.36 1 FAIR 3101 GEOTEC 128 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 128 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 128 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 128 8 299.870 0 39.66 1 POOR		BRAGG	149	9	420.839	ı	80.58	0		LARGE AMP LOW FREQ
3001 BRAGG 150 9 441.121 1 68.68 9 POOR 3001 BRAGG 151 9 461.442 1 70.46 9 POOR 3001 BRAGG 724 9 BR.805 1 14.61 1 GOOD GEORGIA INSTITUTE OF TECHNOLOGY 101 GEOTEC 102 8 359.658 0 1 3101 GEOTEC 104 8 375.389 0 1 3111 GEOTEC 105 8 392.461 0 1 3111 GEOTEC 107 8 330.888 0 1 3101 GEOTEC 107 8 330.888 0 1 3101 GEOTEC 107 8 330.365 0 47.64 1 FAIR 3101 SHELL 108 8 330.365 0 47.77 1 FAIR 3101 GEOTEC 109 8 331.364 0 1 3101 GEOTEC 109 8 331.364 0 1 3101 GEOTEC 111 8 337.760 0 48.23 1 FAIR 3101 SHELL 111 8 337.760 0 48.27 1 FAIR 3101 SHELL 113 8 330.258 0 47.81 1 GOOD 3101 SHELL 113 8 330.258 0 47.81 1 FAIR 3101 GEOTEC 114 8 333.365 0 47.71 1 GOOD 3101 SHELL 118 8 330.258 0 47.81 1 FAIR 3101 GEOTEC 114 8 333.365 0 47.16 1 POOR 3101 SHELL 118 8 330.464 0 7.98 1 GOOD 3101 SHELL 118 8 33.346 0 7.16 1 POOR 3101 SHELL 118 8 33.486 0 7.16 1 POOR 3101 SHELL 118 8 33.486 0 7.16 1 POOR 3101 SHELL 118 8 33.486 0 7.16 1 POOR 3101 SHELL 118 8 33.486 0 7.16 1 POOR 3101 SHELL 118 8 33.486 0 7.16 1 POOR 3101 SHELL 118 8 33.486 0 7.16 1 POOR 3101 SHELL 118 8 33.486 0 7.16 1 POOR 3101 SHELL 118 8 33.486 0 7.16 1 POOR 3101 SHELL 118 8 33.486 0 7.16 1 POOR 3101 SHELL 118 8 33.486 0 7.16 1 POOR 3101 SHELL 118 8 33.486 0 7.16 1 POOR 3101 SHELL 118 8 33.486 0 7.16 1 POOR 3101 SHELL 118 8 33.486 0 7.16 1 POOR 3101 SHELL 118 8 33.486 0 7.16 1 POOR 3101 SHELL 118 8 345.845 0 50.40 1 POOR 3101 SHELL 118 8 345.845 0 70.40 1 POOR 3101 SHELL 118 8 345.845 0 70.40 1 POOR 3101 SHELL 119 8 262.342 0 39.18 1 FAIR 3101 GEOTEC 120 8 270.007 0 40.23 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 SHELL 120 8 270.007 0 40.23 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.29 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.29 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.29 1 FAIR 3101 GEOTEC 122 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 122 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 128 8 373.619 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				9	441-121	1	67.22	2		
3001 BRAGG 151 9 461-442 1 70-46 9 POOR 3001 BRAGG 151 9 461-442 1 70-46 9 POOR 3001 BRAGG 151 9 461-442 1 70-46 9 POOR 3001 BRAGG 151 9 461-442 1 70-46 9 POOR 3001 BRAGG 174 9 BR.805 1 14-61 1 GOOD 3101 GEOTEC 102 8 359-658 0 1 3101 GEOTEC 103 8 368-428 0 52-50 1 FAIR 3101 GEOTEC 104 8 375-389 0 1 3101 GEOTEC 105 8 392-461 0 1 3101 GEOTEC 106 8 398-541 0 55-87 1 GOOD 3101 GEOTEC 107 8 330-888 0 1 3101 GEOTEC 107 8 330-365 0 47-64 1 FAIR 3101 GEOTEC 108 8 330-365 0 47-77 1 FAIR 3101 GEOTEC 109 8 331-364 0 1 3101 GEOTEC 109 8 331-364 0 1 3101 GEOTEC 111 8 337-760 0 48-23 1 FAIR 3101 GEOTEC 111 8 337-760 0 48-23 1 FAIR 3101 GEOTEC 113 8 330-258 0 47-77 1 GOOD 3101 SHELL 113 8 330-258 0 47-77 1 GOOD 3101 SHELL 114 8 333-365 0 47-81 1 FAIR 3101 GEOTEC 115 8 336-148 0 47-98 1 GOOD 3101 SHELL 115 8 336-148 0 47-98 1 GOOD 3101 SHELL 115 8 336-148 0 50-11 1 POOR 3101 GEOTEC 116 8 339-840 0 48-58 1 GOOD 3101 SHELL 117 8 345-845 0 50-40 1 POOR 3101 GEOTEC 118 8 351-213 0 49-90 1 GOOD 3101 SHELL 118 8 351-213 0 49-90 1 GOOD 3101 SHELL 118 8 351-213 0 49-90 1 GOOD 3101 SHELL 118 8 351-213 0 49-90 1 GOOD 3101 SHELL 118 8 351-213 0 49-90 1 GOOD 3101 SHELL 118 8 351-213 0 49-90 1 GOOD 3101 SHELL 118 8 351-213 0 49-90 1 GOOD 3101 SHELL 118 8 351-213 0 49-90 1 GOOD 3101 SHELL 118 8 351-213 0 49-90 1 GOOD 3101 SHELL 118 8 351-213 0 49-90 1 GOOD 3101 SHELL 118 8 37-344 0 40-23 1 FAIR 3101 GEOTEC 119 8 262-342 0 39-112 1 FAIR 3101 GEOTEC 120 8 270-007 0 40-051 1 FAIR 3101 GEOTEC 121 8 277-394 0 40-65 1 FAIR 3101 GEOTEC 122 8 284-248 0 42-23 1 POOR 3101 SHELL 121 8 277-394 0 40-65 1 FAIR 3101 GEOTEC 128 8 299-187 0 44-36 1 FAIR 3101 GEOTEC 128 8 291-484 0 42-91 1 FAIR 3101 GEOTEC 128 8 291-484 0 42-91 1 FAIR 3101 GEOTEC 128 8 295-762 0 39-64 1 POOR 3101 SHELL 128 6 425-719 0 60-78 1 FAIR 3101 GEOTEC 132 8 259-762 0 39-64 1 POOR 3101 SHELL 133 8 266-546 0 39-66 1 FAIR 3101 GEOTEC 134 8 273-887 0 40-58 1 POOR		BRAGG	150	9	441.121	ı	68.68	9		POOR
3001 BRAGG 151 9 461.442 1 70.46 9 FOOR 3001 BRAGG 724 9 8R.805 1 14.61 1 GODD GEORGIA INSTITUTE OF TECHNOLOGY 3101 GEOTEC 102 8 359.658 0 3101 GEOTEC 103 8 366.428 0 52.50 1 FAIR 3101 GEOTEC 105 8 392.461 0 31.11 GEOTEC 106 8 392.461 0 31.01 GEOTEC 107 8 330.888 0 31.01 GEOTEC 107 8 330.888 0 3101 GEOTEC 108 8 330.365 0 47.64 1 FAIR 3101 SHELL 108 8 330.365 0 47.77 1 FAIR 3101 GEOTEC 109 8 331.364 0 3101 GEOTEC 109 8 331.364 0 3101 GEOTEC 113 8 330.258 0 47.77 1 GOOD 3101 GEOTEC 113 8 330.258 0 47.77 1 GOOD 3101 SHELL 111 8 337.760 0 48.23 1 FAIR 3101 GEOTEC 113 8 330.258 0 47.81 1 FAIR 3101 GEOTEC 114 8 333.365 0 47.81 1 FAIR 3101 GEOTEC 115 8 336.148 0 47.98 1 GOOD 3101 SHELL 115 8 336.148 0 47.98 1 GOOD 3101 SHELL 116 8 339.840 0 48.56 1 GOOD 3101 SHELL 117 8 345.845 0 50.40 1 POOR 3101 GEOTEC 117 8 345.845 0 50.40 1 POOR 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOD 3101 SHELL 119 8 262.342 0 39.12 1 FAIR 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOD 3101 SHELL 119 8 262.342 0 39.12 1 FAIR 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOD 3101 SHELL 119 8 262.342 0 39.12 1 FAIR 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOD 3101 SHELL 119 8 262.342 0 39.12 1 FAIR 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOD 3101 SHELL 119 8 262.342 0 39.12 1 FAIR 3101 GEOTEC 118 8 351.484 0 42.23 1 POOR 3101 GEOTEC 118 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 120 8 270.007 0 40.23 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 GEOTEC 124 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 126 8 373.619 0 45.42 1 GOOD 3101 GEOTEC 126 8 373.619 0 45.42 1 GOOD 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 297.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 297.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 297.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 297.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 297.486 0 40.65 1 FAIR 3101 GEOTEC 128 8 297.486 0 40.65 1 FAIR 3101 GEOTEC 128 8 297.797 0 60.78 1 FAIR 3101 GEOTEC 132 8 297.762 0 39.06 1 FAIR 3101 GEOTEC 133 8 266.54		BRAGG	151	9	461-442	1	69.86	2		POOR
SOOI BRAGG 726 9 8R.805 1 14.61 GOOD		BRAGG	151	9	461-442	ı	70.46	9		POOR
GEORGIA INSTITUTE OF TECHNOLOGY 3101 GEOTEC 102 8 359.658 0 1 3101 GEOTEC 103 8 368.428 0 52.50 1 FAIR 3101 GEOTEC 104 8 375.389 0 1 3101 GEOTEC 106 8 398.541 0 5.87 1 GOOD 3101 GEOTEC 107 8 330.888 0 1 3101 GEOTEC 107 8 330.385 0 47.64 1 FAIR 3101 GEOTEC 108 8 330.365 0 47.64 1 FAIR 3101 GEOTEC 109 8 331.364 0 1 3101 GEOTEC 109 8 331.364 0 1 3101 GEOTEC 118 8 337.760 0 48.23 1 FAIR 3101 GEOTEC 118 8 337.760 0 48.27 1 FAIR 3101 GEOTEC 111 8 337.760 0 48.27 1 FAIR 3101 GEOTEC 118 8 330.258 0 47.77 1 GOOD 3101 SMELL 111 8 333.365 0 47.77 1 GOOD 3101 SMELL 113 8 330.258 0 47.81 1 FAIR 3101 GEOTEC 114 8 333.365 0 47.73 1 GOOD 3101 SMELL 118 8 333.365 0 47.73 1 GOOD 3101 SMELL 118 8 330.258 0 47.81 1 FAIR 3101 GEOTEC 115 8 336.148 0 50.11 1 POOR 3101 GEOTEC 115 8 336.148 0 47.78 1 GOOD 3101 SMELL 116 8 339.840 0 49.77 1 POOR 3101 SMELL 116 8 339.840 0 49.77 1 POOR 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOD 3101 SMELL 118 8 36.845 0 50.38 1 POOR 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOD 3101 SMELL 119 8 262.342 0 39.18 1 FAIR 3101 GEOTEC 120 8 270.007 0 40.23 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 SMELL 124 8 279.187 0 44.36 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 FAIR 3101 GEOTEC 126 8 373.619 0 41.24 1 FAIR 3101 GEOTEC 127 8 29.1484 0 42.78 1 FAIR 3101 GEOTEC 128 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 128 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 128 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 128 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 128 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 128 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 128 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 128 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 128 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 128 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 128 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 128 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 132 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 134 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 134 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 134 8 299.187 0 40.65 1 FAIR 3101 GEOTEC 134 8 299.187 0 40				9	88.805	ı	14.61	ı		G000
SICI GEOTEC 103 8 368.428 0 52.50	GEO	RGIA INS	TIYU	TE	OF TECHNOL	DGY				
3101 GEOTEC 104 8 375.389 0 1 3101 GEOTEC 106 8 398.541 0 55.87 1 GOOD 3101 GEOTEC 106 8 398.541 0 55.87 1 GOOD 3101 GEOTEC 107 8 330.888 0 1 3101 GEOTEC 108 8 330.365 0 47.64 1 FAIR 3101 SHELL 108 8 330.365 0 47.67 1 FAIR 3101 GEOTEC 111 8 337.760 0 48.23 1 FAIR 3101 GEOTEC 111 8 337.760 0 48.23 1 FAIR 3101 GEOTEC 111 8 337.760 0 48.27 1 FAIR 3101 GEOTEC 113 8 330.258 0 47.77 1 GOOD 3101 SHELL 113 8 330.258 0 47.77 1 GOOD 3101 SHELL 114 8 333.365 0 47.73 1 GOOD 3101 SHELL 115 8 336.148 0 47.78 1 FAIR 3101 GEOTEC 115 8 336.148 0 47.78 1 GOOD 3101 SHELL 116 8 339.840 0 49.77 1 POOR 3101 GEOTEC 116 8 339.840 0 49.77 1 POOR 3101 GEOTEC 117 8 345.845 0 50.40 1 POOR 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOD 3101 SHELL 116 8 339.840 0 49.77 1 POOR 3101 GEOTEC 119 8 262.342 0 39.18 1 FAIR 3101 GEOTEC 119 8 262.342 0 39.18 1 FAIR 3101 GEOTEC 120 8 270.007 0 40.23 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 SHELL 110 8 291.884 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.884 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.884 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.884 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.884 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.884 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.884 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.884 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.884 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.884 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.884 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.884 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.887 0 40.65 1 FAIR 3101 GEOTEC 128 8 291.887 0 40.65 1 FAIR 3101 GEOTEC 128 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 128 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 128 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 128 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 128 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 128 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 128 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 132 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 134 8 299.187 0 40.05 1 FOOR	3101	GEDTEC	102	8	359.658	0				
STILL GEOTEC 105	3101	GEOTEC	103	8	368.428	0	52 ± 50	1		FAIR
STATE GEOTEC 106	3101	GEDTEC	104	8	375.389	0		1		
3101 GEOTEC 107	3101	GEDTEC	105	8		0		1		
3101 GEOTEC 108 8 330.365 0 47.64 1 FAIR 3101 SHELL 108 8 330.365 0 47.77 1 FAIR 3101 GEOTEC 109 8 331.364 0 1 3101 GEOTEC 111 8 337.760 0 48.23 1 FAIR 3101 SHELL 111 8 337.760 0 48.27 1 FAIR 3101 SHELL 111 8 337.760 0 48.27 1 FAIR 3101 GEOTEC 113 8 330.258 0 47.77 1 GOOD 3101 SHELL 113 8 330.258 0 47.81 1 FAIR 3101 GEOTEC 114 8 333.365 0 47.81 1 FAIR 3101 GEOTEC 115 8 336.148 0 47.98 1 GOOD 3101 SHELL 115 8 336.148 0 50.11 1 POOR 3101 SHELL 115 8 336.148 0 50.11 1 POOR 3101 SHELL 116 8 339.840 0 48.58 1 GOOD 3101 SHELL 116 8 339.840 0 49.77 1 POOR 3101 GEOTEC 117 8 345.845 0 50.40 1 POOR 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOD 3101 SHELL 118 8 355.213 0 49.90 1 GOOD 3101 SHELL 119 8 262.342 0 39.18 1 FAIR 3101 GEOTEC 120 8 270.007 0 40.23 1 FAIR 3101 GEOTEC 120 8 270.007 0 40.05 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 SHELL 121 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 SHELL 121 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 GEOTEC 123 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.36 1 FAIR 3101 SHELL 123 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 GODO 3101 SHELL 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 SHELL 128 8 259.762 0 39.06 1 FAIR 3101 GEOTEC 133 8 266.546 0 39.08 1 POOR 3101 SHELL 133 8 266.546 0 39.08 1 POOR	31 11	GEDTEC	106	8	398.541	0	55.87	ı		G000
3101 SHELL 108 8 330-365 0 47-77 1 FAIR 3101 GEOTEC 111 8 337-760 0 48-23 1 FAIR 3101 SHELL 111 8 337-760 0 48-27 1 FAIR 3101 GEOTEC 113 8 330-258 0 47-77 1 GOOD 3101 SHELL 113 8 330-258 0 47-77 1 GOOD 3101 SHELL 113 8 330-258 0 47-73 1 GOOD 3101 SHELL 114 8 333-365 0 47-73 1 GOOD 3101 SHELL 115 8 336-148 0 47-78 1 GOOD 3101 SHELL 115 8 336-148 0 50-11 1 POOR 3101 GEOTEC 116 8 339-840 0 49-77 1 POOR 3101 SHELL 116 8 339-840 0 49-77 1 POOR 3101 SHELL 117 8 345-845 0 50-40 1 POOR 3101 SHELL 118 8 345-845 0 50-38 1 POOR 3101 GEOTEC 119 8 262-342 0 39-18 1 FAIR 3101 GEOTEC 119 8 262-342 0 39-18 1 FAIR 3101 GEOTEC 120 8 270-007 0 40-23 1 FAIR 3101 GEOTEC 121 8 277-394 0 40-65 1 FAIR 3101 SHELL 121 8 277-394 0 40-65 1 FAIR 3101 SHELL 121 8 277-394 0 40-65 1 FAIR 3101 GEOTEC 122 8 284-248 0 42-81 1 FAIR 3101 SHELL 124 8 299-187 0 44-36 1 FAIR 3101 SHELL 124 8 299-187 0 44-36 1 FAIR 3101 GEOTEC 124 8 299-187 0 44-36 1 FAIR 3101 GEOTEC 124 8 299-187 0 44-36 1 FAIR 3101 GEOTEC 124 8 299-187 0 44-36 1 FAIR 3101 GEOTEC 125 8 308-983 0 45-42 1 GOOD 3101 GEOTEC 128 8 425-719 0 60-78 1 FAIR 3101 GEOTEC 128 8 425-719 0 60-78 1 FAIR 3101 GEOTEC 128 8 425-719 0 60-78 1 FAIR 3101 SHELL 128 8 299-187 0 44-36 1 FAIR 3101 SHELL 128 8 299-187 0 44-36 1 FAIR 3101 SHELL 128 8 299-187 0 44-36 1 FAIR 3101 GEOTEC 128 8 373-619 0 60-78 1 FAIR 3101 GEOTEC 128 8 259-762 0 39-06 1 FAIR 3101 SHELL 128 8 259-762 0 39-06 1 FAIR 3101 SHELL 128 8 259-762 0 39-06 1 FAIR 3101 SHELL 128 8 259-762 0 39-06 1 FAIR 3101 GEOTEC 133 8 266-546 0 39-88 1 POOR				8	330.888	0		_		
3101 GEOTEC 1109 8 331.364 0 1 3101 GEOTEC 111 8 337.760 0 48.23 1 FAIR 3101 GEOTEC 113 8 337.760 0 48.27 1 FAIR 3101 GEOTEC 113 8 330.258 0 47.77 1 GOOD 3101 SHELL 113 8 330.258 0 47.81 1 FAIR 3101 GEOTEC 114 8 333.365 0 47.81 1 FAIR 3101 GEOTEC 115 8 336.148 0 47.98 1 GOOD 3101 SHELL 115 8 336.148 0 47.98 1 GOOD 3101 SHELL 115 8 336.148 0 50.11 1 POOR 3101 GEOTEC 116 8 339.840 0 49.77 1 POOR 3101 GEOTEC 117 8 345.845 0 50.40 1 POOR 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOD 3101 SHELL 117 8 345.845 0 50.40 1 POOR 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOD 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOD 3101 GEOTEC 120 8 270.007 0 40.23 1 FAIR 3101 GEOTEC 120 8 270.007 0 40.23 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 122 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 123 8 291.484 0 42.21 1 POOR 3101 GEOTEC 124 8 277.394 0 41.24 1 FAIR 3101 GEOTEC 125 8 291.484 0 42.21 1 FAIR 3101 GEOTEC 126 8 291.87 0 44.36 1 FAIR 3101 GEOTEC 127 8 291.484 0 42.21 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.21 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.21 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.21 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.21 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.21 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.21 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 128 8 291.887 0 44.36 1 FAIR 3101 GEOTEC 128 8 291.887 0 44.36 1 FAIR 3101 GEOTEC 128 8 259.762 0 39.06 1 FAIR 3101 GEOTEC 134 8 259.762 0 39.06 1 FAIR 3101 GEOTEC 134 8 259.887 0 40.58 1 POOR	3101	GEDTEC	108	8	330.365	0		ı		
3101 GEOTEC 111 8 337.760 0 48.23 1 FAIR 3101 SHELL 111 8 337.760 0 48.27 1 FAIR 3101 GEOTEC 113 8 330.258 0 47.77 1 GOOD 3101 SHELL 113 8 330.258 0 47.77 1 GOOD 3101 SHELL 113 8 330.258 0 47.73 1 GOOD 3101 GEOTEC 114 8 333.365 0 47.76 1 POOR 3101 GEOTEC 115 8 336.148 0 47.98 1 GOOD 3101 SHELL 115 8 336.148 0 50.11 1 POOR 3101 GEOTEC 116 8 339.840 0 49.77 1 POOR 3101 GEOTEC 116 8 339.840 0 49.77 1 POOR 3101 SHELL 116 8 339.840 0 49.77 1 POOR 3101 SHELL 117 8 345.845 0 50.40 1 POOR 3101 GEOTEC 117 8 345.845 0 50.40 1 POOR 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOD 3101 GEOTEC 119 8 262.342 0 39.18 1 FAIR 3101 GEOTEC 119 8 262.342 0 39.18 1 FAIR 3101 GEOTEC 120 8 270.007 0 40.23 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 GEOTEC 123 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 GOOD 3101 GEOTEC 126 8 373.619 0 1 FAIR 3101 GEOTEC 127 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 128 8 259.762 0 39.64 1 POOR 3101 SHELL 128 259.762 0 39.66 1 POOR 3101 GEOTEC 133 8 266.546 0 39.62 1 FAIR 3101 GEOTEC 134 8 259.762 0 39.66 1 POOR	3101	SHELL	108	8	330.365	0	47.77	ı		FAIR
3101 SMELL 111 8 337.760 0 48.27 1 FAIR 3101 GEOTEC 113 8 330.258 0 47.77 1 GOOD 3101 SMELL 113 8 330.258 0 47.81 1 FAIR 3101 GEOTEC 114 8 333.365 0 47.16 1 POOR 3101 SMELL 114 8 333.365 0 47.16 1 POOR 3101 SMELL 115 8 336.148 0 57.98 1 GOOD 3101 SMELL 115 8 336.148 0 57.98 1 GOOD 3101 SMELL 115 8 336.148 0 47.98 1 GOOD 3101 SMELL 116 8 339.840 0 48.58 1 GOOD 3101 SMELL 116 8 339.840 0 49.77 1 POOR 3101 SMELL 116 8 339.840 0 49.77 1 POOR 3101 SMELL 117 8 345.845 0 50.40 1 POOR 3101 SMELL 117 8 345.845 0 50.38 1 POOR 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOD 3101 GEOTEC 119 8 262.342 0 39.18 1 FAIR 3101 SMELL 119 8 262.342 0 39.18 1 FAIR 3101 SMELL 119 8 262.342 0 39.12 1 FAIR 3101 SMELL 120 8 270.007 0 40.23 1 FAIR 3101 SMELL 120 8 270.007 0 40.05 1 FAIR 3101 SMELL 121 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 GEOTEC 123 8 291.484 0 42.21 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.06 1 FAIR 3101 SMELL 121 8 277.394 0 44.06 1 FAIR 3101 SMELL 124 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 GOOD 3101 GEOTEC 126 8 373.619 0 1 FAIR 3101 SMELL 128 G 299.187 0 44.36 1 FAIR 3101 SMELL 128 G 299.187 0 44.36 1 FAIR 3101 GEOTEC 126 8 373.619 0 1 FAIR 3101 SMELL 128 G 299.187 0 44.36 1 FAIR 3101 SMELL 128 G 299.187 0 44.36 1 FAIR 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 SMELL 128 G 299.187 0 44.06 1 FAIR 3101 SMELL 128 G 299.187 0 44.36 1 FAIR 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 SMELL 128 G 299.187 0 44.36 1 FAIR 3101 GEOTEC 128 8 259.762 0 39.06 1 FAIR 3101 SMELL 132 8 259.762 0 39.06 1 FAIR 3101 SMELL 133 8 266.546 0 39.88 1 POOR	3101	GEOTEC	109	8	331.364	0		1		
3101 GEOTEC 113 8 330.258 0 47.77 1 GOOD 3101 SHELL 113 8 330.258 0 47.81 1 FAIR 3101 GEOTEC 114 8 333.365 0 47.73 1 GOOD 3101 SHELL 114 8 333.365 0 47.73 1 GOOD 3101 SHELL 115 8 336.148 0 47.98 1 GOOD 3101 SHELL 115 8 336.148 0 50.11 1 POOR 3101 SHELL 115 8 336.148 0 50.11 1 POOR 3101 SHELL 115 8 339.840 0 49.77 1 POOR 3101 SHELL 116 8 339.840 0 49.77 1 POOR 3101 GEOTEC 117 8 345.845 0 50.40 1 POOR 3101 SAELL 117 8 345.845 0 50.40 1 POOR 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOD 3101 GEOTEC 119 8 262.342 0 39.18 1 FAIR 3101 SHELL 119 8 262.342 0 39.18 1 FAIR 3101 SHELL 120 8 270.007 0 40.23 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 SHELL 121 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 GEOTEC 123 8 291.484 0 42.91 1 FAIR 3101 SHELL 123 8 291.484 0 42.91 1 FAIR 3101 SHELL 123 8 291.484 0 42.91 1 FAIR 3101 SHELL 124 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 GOOD 3101 GEOTEC 126 8 373.619 0 1 3101 SHELL 128 0 425.719 0 60.78 1 FAIR 3101 SHELL 128 0 425.719 0 60.78 1 FAIR 3101 SHELL 128 0 425.719 0 60.78 1 FAIR 3101 SHELL 128 0 425.719 0 60.78 1 FAIR 3101 SHELL 128 0 425.719 0 60.78 1 FAIR 3101 SHELL 128 0 425.719 0 60.78 1 FAIR 3101 SHELL 128 0 299.187 0 44.36 1 FAIR 3101 SHELL 128 0 425.719 0 60.78 1 FAIR 3101 SHELL 128 0 425.719 0 60.78 1 FAIR 3101 SHELL 128 0 425.719 0 60.78 1 FAIR 3101 SHELL 128 0 425.719 0 60.78 1 FAIR 3101 SHELL 132 8 259.762 0 39.66 1 FAIR 3101 SHELL 133 8 266.546 0 39.88 1 POOR	3101	GEOTEC	111	8	337.760	0	48.23	ı		FAIR
3101 SHELL 113 8 330.258 0 47.81 1 FAIR 3101 GEOTEC 114 8 333.365 0 47.16 1 POOR 3101 SHELL 114 8 333.365 0 47.16 1 POOR 3101 GEOTEC 115 8 336.148 0 50.11 1 POOR 3101 SHELL 115 8 336.148 0 50.11 1 POOR 3101 SHELL 116 8 339.840 0 49.77 1 POOR 3101 SHELL 116 8 339.840 0 49.77 1 POOR 3101 SHELL 117 8 345.845 0 50.38 1 POOR 3101 SHELL 117 8 345.845 0 50.38 1 POOR 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOO 3101 GEOTEC 119 8 262.342 0 39.18 1 FAIR 3101 SHELL 119 8 262.342 0 39.18 1 FAIR 3101 SHELL 119 8 262.342 0 39.12 1 FAIR 3101 GEOTEC 120 8 270.007 0 40.23 1 FAIR 3101 SHELL 120 8 270.007 0 40.05 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 GEOTEC 123 8 291.484 0 42.91 1 FAIR 3101 SHELL 123 8 291.484 0 42.91 1 FAIR 3101 SHELL 124 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 GOOO 3101 GEOTEC 126 8 373.619 0 1 POOR 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 132 8 259.762 0 39.06 1 FAIR 3101 GEOTEC 133 8 266.546 0 39.08 1 POOR 3101 SHELL 133 8 266.546 0 39.08 1 POOR	3101	SHELL	111	8	337.760	0	48.27	ı		FAIR
3101 SHELL 113 8 330-258 0 47-81 1 FAIR 3101 GEOTEC 114 8 333-365 0 47-73 1 GOOD 3101 SHELL 114 8 333-365 0 47-16 1 POOR 3101 GEOTEC 115 8 336-148 0 47-98 1 GOOD 3101 SHELL 115 8 336-148 0 50-11 1 POOR 3101 GEOTEC 116 8 339-840 0 48-58 1 GOOD 3101 SHELL 116 8 339-840 0 49-77 1 POOR 3101 GEOTEC 117 8 345-845 0 50-38 1 POOR 3101 GEOTEC 117 8 345-845 0 50-38 1 POOR 3101 GEOTEC 118 8 351-213 0 49-90 1 GOOD 3101 GEOTEC 119 8 262-342 0 39-18 1 FAIR 3101 GEOTEC 120 8 270-007 0 40-23 1 FAIR 3101 SHELL 120 8 270-007 0 40-23 1 FAIR 3101 SHELL 120 8 277-394 0 40-65 1 FAIR 3101 SHELL 121 8 277-394 0 40-65 1 FAIR 3101 GEOTEC 122 8 284-248 0 42-23 1 POOR 3101 GEOTEC 123 8 291-484 0 42-91 1 FAIR 3101 GEOTEC 124 8 299-187 0 44-06 1 FAIR 3101 GEOTEC 125 8 308-983 0 45-42 1 GOOD 3101 GEOTEC 126 8 373-619 0 1 POOR 3101 GEOTEC 128 8 425-719 0 60-78 1 FAIR 3101 GEOTEC 128 8 425-719 0 60-78 1 FAIR 3101 GEOTEC 128 8 425-719 0 60-78 1 FAIR 3101 GEOTEC 128 8 425-719 0 60-78 1 FAIR 3101 GEOTEC 128 8 425-719 0 60-78 1 FAIR 3101 GEOTEC 128 8 425-719 0 60-78 1 FAIR 3101 GEOTEC 133 8 259-762 0 39-64 1 POOR 3101 GEOTEC 133 8 266-546 0 39-88 1 POOR 3101 GEOTEC 133 8 266-546 0 39-88 1 POOR 3101 GEOTEC 134 8 273-887 0 40-58 1 POOR	3101	GEOTEC	113	8	330.258	0	47.77	ı		G000
3101 SHELL 114 8 333.365 0 47.16 1 POOR 3101 GEOTEC 115 8 336.148 0 47.98 1 GOOD 3101 SHELL 115 8 336.148 0 50.11 1 POOR 3101 SHELL 116 8 339.840 0 49.77 1 POOR 3101 SHELL 116 8 339.840 0 49.77 1 POOR 3101 SHELL 117 8 345.845 0 50.40 1 POOR 3101 SHELL 117 8 345.845 0 50.38 1 POOR 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOD 3101 GEOTEC 119 8 262.342 0 39.18 1 FAIR 3101 GEOTEC 119 8 262.342 0 39.12 1 FAIR 3101 SHELL 119 8 262.342 0 39.12 1 FAIR 3101 SHELL 120 8 270.007 0 40.23 1 FAIR 3101 SHELL 120 8 277.394 0 40.65 1 FAIR 3101 SHELL 121 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 GEOTEC 123 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.26 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 GOOD 3101 GEOTEC 126 8 373.619 0 1 POOR 3101 SHELL 128 6 425.719 0 61.10 1 POOR 3101 SHELL 128 6 425.719 0 60.78 1 FAIR 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 132 8 259.762 0 39.66 1 POOR 3101 SHELL 132 8 259.762 0 39.66 1 POOR 3101 SHELL 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.86 1 POOR				8	330.258	0	47.81	1		FAIR
3101 SHELL 114 8 333.365 0 47.16 1 POOR 3101 GEOTEC 115 8 336.148 0 47.98 1 GOOD 3101 SHELL 115 8 336.148 0 50.11 1 POOR 3101 GEOTEC 116 8 339.840 0 48.58 1 GOOO 3101 SHELL 116 8 339.840 0 49.77 1 POOR 3101 GEOTEC 117 8 345.845 0 50.40 1 POOR 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOO 3101 GEOTEC 119 8 262.342 0 39.18 1 FAIR 3101 GEOTEC 119 8 262.342 0 39.18 1 FAIR 3101 SHELL 119 8 262.342 0 39.12 1 FAIR 3101 GEOTEC 120 8 270.007 0 40.23 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.05 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.05 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 GEOTEC 123 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 GOOO 3101 GEOTEC 126 8 373.619 0 1 FAIR 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 128 8 259.762 0 39.06 1 FAIR 3101 GEOTEC 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.88 1 POOR		GEDTEC	114	8	333.365	0	47.73	1		G000
3101 GEOTEC 115 8 336.148 0 47.98 1 GOOD 3101 SHELL 115 8 336.148 0 50.11 1 POOR 3101 SHELL 116 8 339.840 0 48.58 1 GOOD 3101 SHELL 116 8 339.840 0 49.77 1 POOR 3101 GEOTEC 117 8 345.845 0 50.40 1 POOR 3101 SAELL 117 8 345.845 0 50.38 1 POOR 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOD 3101 GEOTEC 118 8 262.342 0 39.18 1 FAIR 3101 GEOTEC 119 8 262.342 0 39.18 1 FAIR 3101 GEOTEC 120 8 270.007 0 40.23 1 FAIR 3101 GEOTEC 120 8 270.007 0 40.05 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 GEOTEC 123 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 GOOD 3101 GEOTEC 126 8 373.619 0 1 POOR 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 132 8 259.762 0 39.66 1 POOR 3101 GEOTEC 133 8 266.546 0 39.88 1 POOR 3101 GEOTEC 133 8 266.546 0 39.88 1 POOR 3101 GEOTEC 134 8 273.887 0 40.58 1 POOR				8	333.365	0	47.16	1		POOR
3101 SHELL 115 8 336.148 0 50.11 1 POOR 3101 GEOTEC 116 8 339.840 0 48.58 1 GOOD 3101 GEOTEC 117 8 345.845 0 50.40 1 POOR 3101 GEOTEC 117 8 345.845 0 50.40 1 POOR 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOD 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOD 3101 GEOTEC 119 8 262.342 0 39.18 1 FAIR 3101 GEOTEC 120 8 270.007 0 40.23 1 FAIR 3101 GEOTEC 120 8 270.007 0 40.23 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 GEOTEC 123 8 291.484 0 42.23 1 POOR 3101 GEOTEC 123 8 291.484 0 42.78 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 126 8 373.619 0 1 FAIR 3101 GEOTEC 126 8 373.619 0 1 TAIR 3101 GEOTEC 127 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 128 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 126 8 373.619 0 1 TAIR 3101 GEOTEC 127 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 128 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.06 1 FAIR 3101 GEOTEC 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.88 1 POOR	3101	GEOTEC	115	8	336.148	0	47.98	1		G00D
3101 SHELL 116 8 339.840 0 49.77 1 POOR 3101 GEOTEC 117 8 345.845 0 50.40 1 POOR 3101 SAELL 117 8 345.845 0 50.38 1 POOR 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOD 3101 GEOTEC 119 8 262.342 0 39.18 1 FAIR 3101 SHELL 119 8 262.342 0 39.12 1 FAIR 3101 SHELL 119 8 262.342 0 39.12 1 FAIR 3101 GEOTEC 120 8 270.007 0 40.23 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 GEOTEC 123 8 291.484 0 42.91 1 FAIR 3101 SHELL 123 8 291.484 0 42.91 1 FAIR 3101 SHELL 123 8 291.484 0 42.78 1 FAIR 3101 SHELL 124 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 GOOD 3101 GEOTEC 126 8 373.619 0 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 SHELL 128 G 425.719 0 60.78 1 FAIR 3101 SHELL 128 G 425.719 0 60.78 1 FAIR 3101 SHELL 128 G 425.719 0 60.78 1 FAIR 3101 GEOTEC 132 8 259.762 0 39.64 1 POOR 3101 SHELL 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.88 1 POOR				8	336.148	0	50.11	ı		POOR
3101 SHELL 116 8 339.840 0 49.77 1 POOR 3101 GEOTEC 117 8 345.845 0 50.40 1 POOR 3101 SAELL 117 8 345.845 0 50.38 1 POOR 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOO 3101 GEOTEC 119 8 262.342 0 39.18 1 FAIR 3101 SHELL 119 8 262.342 0 39.12 1 FAIR 3101 SHELL 120 8 270.007 0 40.23 1 FAIR 3101 SHELL 120 8 270.007 0 40.05 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 GEOTEC 123 8 291.484 0 42.91 1 FAIR 3101 GEOTEC 123 8 291.484 0 42.78 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 GOOO 3101 GEOTEC 126 8 373.619 0 1 3101 GEOTEC 126 8 373.619 0 1 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 128 8 259.762 0 39.64 1 POOR 3101 GEOTEC 132 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.66 1 FAIR 3101 GEOTEC 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.62 1 FAIR 3101 GEOTEC 134 8 273.887 0 40.58 1 POOR	3101	GEOTEC	116	8	339.840	0	48.58	ı		G000
3101 GEOTEC 117 8 345.845 0 50.40 1 POOR 3101 SAELL 117 8 345.845 0 50.38 1 POOR 3101 GEOTEC 118 8 351.213 0 49.90 1 GOOO 3101 GEOTEC 119 8 262.342 0 39.18 1 FAIR 3101 SHELL 119 8 262.342 0 39.12 1 FAIR 3101 GEOTEC 120 8 270.007 0 40.23 1 FAIR 3101 SHELL 120 8 270.007 0 40.05 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 SHELL 121 8 277.394 0 40.65 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 GEOTEC 123 8 291.484 0 42.78 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.06 1 FAIR 3101 SHELL 124 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 GOOO 3101 GEOTEC 126 8 373.619 0 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 SHELL 128 6 425.719 0 60.78 1 FAIR 3101 GEOTEC 128 8 259.762 0 39.06 1 FAIR 3101 GEOTEC 133 8 259.762 0 39.06 1 FAIR 3101 SHELL 132 8 259.762 0 39.06 1 FAIR 3101 SHELL 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.86 1 POOR				8	339.840	0	49.77	1		POOR
3101 GEOTEC 118 8 351.213 0 49.90 1 GOOO 3101 GEOTEC 119 8 262.342 0 39.18 1 FAIR 3101 SHELL 119 8 262.342 0 39.12 1 FAIR 3101 GEOTEC 120 8 270.007 0 40.23 1 FAIR 3101 SHELL 120 8 270.007 0 40.05 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 SHELL 121 8 277.394 0 41.24 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 GEOTEC 122 8 284.248 0 42.91 1 FAIR 3101 GEOTEC 123 8 291.484 0 42.91 1 FAIR 3101 SHELL 123 8 291.484 0 42.78 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.06 1 FAIR 3101 SHELL 124 8 299.187 0 44.06 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 GOOO 3101 GEOTEC 126 8 373.619 0 1 FAIR 3101 GEOTEC 128 8 425.719 0 61.10 1 PCOR 3101 SHELL 128 G 425.719 0 60.78 1 FAIR 3101 GEOTEC 132 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.64 1 POOR 3101 SHELL 133 8 266.546 0 39.88 1 POOR	3101	GEOTEC	117	8	345.845	0	50.40	ı		POOR
3101 GEOTEC 119 8 262.342 0 39.18 1 FAIR 3101 SHELL 119 8 262.342 0 39.12 1 FAIR 3101 GEOTEC 120 8 270.007 0 40.23 1 FAIR 3101 SHELL 120 8 270.007 0 40.05 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 SHELL 121 8 277.394 0 41.24 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 GEOTEC 123 8 291.484 0 42.91 1 FAIR 3101 SHELL 123 8 291.484 0 42.78 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.06 1 FAIR 3101 SHELL 124 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 GOOD 3101 GEOTEC 126 8 373.619 0 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 SHELL 128 G 425.719 0 60.78 1 FAIR 3101 GEOTEC 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 132 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.64 1 POOR 3101 SHELL 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.88 1 POOR	3101	SHELL	117	8	345.845	0	50.38	ı		POOR
3101 SHELL 119 8 262.342 0 39.12 1 FAIR 3101 GEOTEC 120 8 270.007 0 40.23 1 FAIR 3101 SHELL 120 8 270.007 0 40.05 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 SHELL 121 8 277.394 0 41.24 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 GEOTEC 123 8 291.484 0 42.91 1 FAIR 3101 SHELL 123 8 291.484 0 42.78 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.06 1 FAIR 3101 SHELL 124 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 GOOD 3101 GEOTEC 126 8 373.619 0 3101 GEOTEC 126 8 373.619 0 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 SHELL 128 6 425.719 0 60.78 1 FAIR 3101 GEOTEC 132 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.66 1 FAIR 3101 GEOTEC 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.88 1 POOR		GEOTEC	118	8	351.213	0	49.90	1		G000
3101 GEOTEC 120 8 270.007 0 40.23 1 FAIR 3101 SHELL 120 8 270.007 0 40.05 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 SHELL 121 8 277.394 0 41.24 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 GEOTEC 123 8 291.484 0 42.91 1 FAIR 3101 SHELL 123 8 291.484 0 42.78 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.06 1 FAIR 3101 SHELL 124 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 GOOD 3101 GEOTEC 126 8 373.619 0 3101 GEOTEC 126 8 373.619 0 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 SHELL 128 6 425.719 0 60.78 1 FAIR 3101 GEOTEC 132 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.66 1 FAIR 3101 GEOTEC 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.62 1 FAIR 3101 GEOTEC 134 8 273.887 0 40.58 1 POOR	3101	GEOTEC	119	8	262.342	0	39.18	ı		FAIR
3101 SHELL 120 8 270.007 0 40.05 1 FAIR 3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 SHELL 121 8 277.394 0 41.24 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 GEOTEC 123 8 291.484 0 42.91 1 FAIR 3101 SHELL 123 8 291.484 0 42.78 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.06 1 FAIR 3101 SHELL 124 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 GOOD 3101 GEOTEC 126 8 373.619 0 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 SHELL 128 6 425.719 0 60.78 1 FAIR 3101 GEOTEC 132 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.66 1 FAIR 3101 GEOTEC 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.62 1 FAIR 3101 GEOTEC 134 8 273.887 0 40.58 1 POOR	3101	SHELL	119	8	262.342	0	39.12	ı		FAIR
3101 GEOTEC 121 8 277.394 0 40.65 1 FAIR 3101 SHELL 121 8 277.394 0 41.24 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 GEOTEC 123 8 291.484 0 42.91 1 FAIR 3101 SHELL 123 8 291.484 0 42.78 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.06 1 FAIR 3101 SHELL 124 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 GOOD 3101 GEOTEC 126 8 373.619 0 1 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 SHELL 128 G 425.719 0 60.78 1 FAIR 3101 GEOTEC 132 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.62 1 FAIR 3101 GEOTEC 134 8 273.887 0 40.58 1 POOR	3101	GEDTEC	120	8	270.007	0	40.23	ı		FAIR
3101 SHELL 121 8 277.394 0 41.24 1 FAIR 3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 GEOTEC 123 8 291.484 0 42.91 1 FAIR 3101 SHELL 123 8 291.484 0 42.78 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.06 1 FAIR 3101 SHELL 124 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 GOOD 3101 GEOTEC 126 8 373.619 0 1 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 SHELL 128 G 425.719 0 60.78 1 FAIR 3101 GEOTEC 132 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.64 1 POOR 3101 SHELL 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.62 1 FAIR 3101 GEOTEC 134 8 273.887 0 40.58 1 POOR	3101	SHELL	120	8	270.007	0	40.05	1		FAIR
3101 GEOTEC 122 8 284.248 0 42.23 1 POOR 3101 GEOTEC 123 8 291.484 0 42.91 1 FAIR 3101 SHELL 123 8 291.484 0 42.78 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.06 1 FAIR 3101 SHELL 124 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 GOOD 3101 GEOTEC 126 8 373.619 0 1 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 SHELL 128 G 425.719 0 60.78 1 FAIR 3101 GEOTEC 132 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.66 1 FAIR 3101 GEOTEC 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.62 1 FAIR 3101 GEOTEC 134 8 273.887 0 40.58 1 POOR	3101	GEOTEC	121	8	277.394	0	40.65	ı		FAIR
3101 GEOTEC 123 8 291.484 0 42.91 1 FAIR 3101 SHELL 123 8 291.484 0 42.78 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.06 1 FAIR 3101 SHELL 124 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 GOOD 3101 GEOTEC 126 8 373.619 0 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 SHELL 128 8 425.719 0 60.78 1 FAIR 3101 GEOTEC 132 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.06 1 FAIR 3101 GEOTEC 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.62 1 FAIR 3101 GEOTEC 134 8 273.887 0 40.58 1 POOR	3101	SHELL	121	8	277.394	0	41.24	l		FAIR
3101 SHELL 123 8 291.484 0 42.78 1 FAIR 3101 GEOTEC 124 8 299.187 0 44.06 1 FAIR 3101 SHELL 124 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 GOOD 3101 GEOTEC 126 8 373.619 0 1 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 SHELL 128 6 425.719 0 60.78 1 FAIR 3101 GEOTEC 132 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.06 1 FAIR 3101 GEOTEC 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.62 1 FAIR 3101 GEOTEC 134 8 273.887 0 40.58 1 POOR	3101	GEOTEC	122	8	284.248	0	42.23	1		POOR
3101 GEOTEC 124 8 299.187 0 44.06 1 FAIR 3101 SHELL 124 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 GOOD 3101 GEOTEC 126 8 373.619 0 1 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 SHELL 128 6 425.719 0 60.78 1 FAIR 3101 GEOTEC 132 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.06 1 FAIR 3101 GEOTEC 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.62 1 FAIR 3101 GEOTEC 134 8 273.887 0 40.58 1 POOR	3101	GEOTEC	123	8	291.484	0	42.91	ı		FAIR
3101 SHELL 124 8 299.187 0 44.36 1 FAIR 3101 GEOTEC 125 8 308.983 0 45.42 1 GOOO 3101 GEOTEC 126 8 373.619 0 1 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 SHELL 128 6 425.719 0 60.78 1 FAIR 3101 GEOTEC 132 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.06 1 FAIR 3101 GEOTEC 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.62 1 FAIR 3101 GEOTEC 134 8 273.887 0 40.58 1 POOR	3101	SHELL	123	8	291.484	0	42.78	1		FAIR
3101 GEOTEC 125 8 308.983 0 45.42 1 GOOO 3101 GEOTEC 126 8 373.619 0 1 3101 GEOTEC 128 8 425.719 0 61.10 1 POOR 3101 SHELL 128 6 425.719 0 60.78 1 FAIR 3101 GEOTEC 132 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.06 1 FAIR 3101 GEOTEC 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.62 1 FAIR 3101 GEOTEC 134 8 273.887 0 40.58 1 POOR	310i	GEOTEC	124	8	299.187	0	44.06	1		FAIR
3101 GEOTEC 126 8 373.619 0 1 3101 GEOTEC 128 8 425.719 0 61.10 1 PCOR 3101 SHELL 128 6 425.719 0 60.78 1 FAIR 3101 GEOTEC 132 8 259.762 0 39.64 1 PUOR 3101 SHELL 132 8 259.762 0 39.06 1 FAIR 3101 GEOTEC 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.62 1 FAIR 3101 GEOTEC 134 8 273.887 0 40.58 1 POOR	3101	SHELL	124	8	299.187	0	44.36	ı		FAIR
3101 GEOTEC 128 8 425.719 0 61.10 1 PCOR 3101 SHELL 128 6 425.719 0 60.78 1 FAIR 3101 GEOTEC 132 8 259.762 0 39.64 1 PUOR 3101 SHELL 132 8 259.762 0 39.06 1 FAIR 3101 GEOTEC 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.62 1 FAIR 3101 GEOTEC 134 8 273.887 0 40.58 1 POOR	3101	GEOTEC	125	8	308.983	0	45.42	1		6000
3101 SHELL 128 6 425.719 0 60.78 1 FAIR 3101 GEOTEC 132 8 259.762 0 39.64 1 PUOR 3101 SHELL 132 8 259.762 0 39.06 1 FAIR 3101 GEOTEC 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.62 1 FAIR 3101 GEOTEC 134 8 273.887 0 40.58 1 POOR	3101	GEOTEC	126	8	373.619	0		l		
3101 GEOTEC 132 8 259.762 0 39.64 1 POOR 3101 SHELL 132 8 259.762 0 39.06 1 FAIR 3101 GEOTEC 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.62 1 FAIR 3101 GEOTEC 134 8 273.887 0 40.58 1 POOR	310)	GEOTEC	128	8	425.719	0	61-10	1		POOR
3101 SHELL 132 8 259.762 0 39.06 1 FAIR 3101 GEOTEC 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.62 1 FAIR 3101 GEOTEC 134 8 273.887 0 40.58 1 POOR				8	425.719	0	60.78	ı		FAIR
3101 GEOTEC 133 8 266.546 0 39.88 1 POOR 3101 SHELL 133 8 266.546 0 39.62 1 FAIR 3101 GEOTEC 134 8 273.887 0 40.58 1 POOR				8		0	_			· ·
3101 SHELL 133 8 266.546 0 39.62 1 FAIR 3101 GEOTEC 134 8 273.887 0 40.58 1 POOR				8	259.762	0	39.06	ı		FAIR
3101 GEOTEC 134 8 273.887 0 40.58 1 POOR				8		0				
				8		0				
3101 SHELL 134 8 273.887 0 40.65 1 FAIR				8		0				
	3101	ZHELL	134	8	273.887	0	40.65	1		FAIR

STATION SHOT R RANGE T TIME P VOL. NO NAME KM. SEC. KM/SEC COMM	CMT
	-
3101 GEDTEC 135 8 200.849 0 41.48 1 FAIR	
3101 SHELL 135 8 280.849 0 41.60 1 FAIR	
3101 GEDTEC 136 8 287.970 0 42.59 1 POOR	
3101 SHELL 136 8 287.970 0 43.45 1 POOR	
3101 GEOTEC 137 8 295.007 0 43.70 1 POOR	
310% SHELL 137 8 295.007 0 44.20 1 FAIR	
3101 GEOTEC 138 8 302-224 0 44-62 1 FAIR	
3101 SHELL 138 8 302-224 0 44-56 1 FAIR	
3101 GEDTEC 139 8 309-133 0 45-24 1 FAIR	
3101 SHELL 139 8 309-133 0 45-16 1 FAIR	
3101 GEOTEC 140 8 317.751 0 1	
3101 SHELL 140 8 317-751 0 46-23 1 FAIR	
3101 GEOTEC 141 8 322-979 0 46-52 1 FAIR	
3101 SHELL 141 8 322.979 0 46.62 1 FAIR	
3101 GEOTEC 142 8 329.448 0 1	
3101 SHELL 142 8 329.448 0 47.52 1 FAIR 3101 GEOTEC 143 8 336.636 0 48.28 1 FAIR	
3101 SHELL 143 8 336.636 0 48.58 1 FAIR 3101 GEDTEC 144 8 343.561 0 48.99 1 GDDD	
3101 SHELL 144 8 343.551 0 49.10 1 FAIR	
3101 GEOTEC 145 8 350.637 0 49.81 1 FAIR	
3101 SHELL 145 8 350.637 0 49.92 1 FAIR	
3101 GEDTEC 146 8 357.218 0 50.87 1 FAIR	
3101 SHELL 146 8 357-218 0 50-86 1 FAIR	
3101 GEDTEC 147 8 361-487 0 1	
3101 GEDTEC 149 8 494.163 0 1	
3101 GEDTEC 150 8 514.437 0 74.11 1 PODR	
3101 SHELL 150 8 514.437 0 74.17 1 FAIR	
3101 GEDTEC 151 8 534.743 0 1	
3101 SHELL 151 8 534.743 0 75.63 1 POOR	
3101 GEOTEC 153 8 410.823 0 1	
3101 GEDTEC 154 8 427.569 0 1	
3101 GEOTEC 156 8 551.911 0 1	
3101 GEDTEC 601 8 269.192 0	
3101 GEOTEC 701 8 383.662 0	
3101 GEOTEC 702 8 7:6.839 0	
3101 GENTEC 703 8 552.347 0	
3101 GEOTEC 704 8 482.394 0	
3101 GEOTEC 712 8 444.818 0	
3101 GEOVEC 713 8 569.389 0	
3101 GEOTEC 714 3 685.251 0 3101 GEOTEC 716 8 466.745 0	
3101 GEOTEC 722 8 239.954 0 63.45 1 FAIR 3101 GEOTEC 723 8 457.205 0 60.25 0 POOR	
3101 GEOTEC 724 8 22.032 0 3.63 1 GOOD	
3101 SHELL 729 8 22.032 0 3.62 1 GOOD	
UNIVERSATY OF MICHIGAN	
3301 POTYER 102 8 162-521 0 27-08 1	
3301 POTTER 103 8 171.080 0 28.03 1	
3301 POTTER 104 8 178.731 0 28.81 1	
3301 POTTER 105 8 197.325 0 31.10 1	

STATION NO NAME	SHOT	R	RANGE KM.	T	TIME P	VEL. KM/SEC	COMMENT
3301, POTTER		8	205-322	0	32.51 1		
3301 POTTER		8	168.461	0	27.87 1		
3301 POTYER		8	177.388	0	29.25 1		
3301 POTTER		8	189.164	0	30-55 1		
3301 POTTER		8	215.90	0	34.40 1		NOISY
3301 POTTER		8	164.9/3	0	27.64 1		
330' POTTER 3301 POTTER		8	159.751	0	26.79 l		
3301 POTTER		8	155.144 152.584	0	26.11 1 25.77 1		
3301 POTTER		8 8	154.348	0	26.05 1		
3301 POTTER		8	156.030	ŏ	26.09 1		
3301 POTTER		8	73.019	ŏ	12.68 1		
3301 POTTER		8	80.069	ŏ	13.84 1		
3301 POTTER		8	86.775	ŏ	14.73 1		
3301 POTTER		8	93.532	ō	16.00 1		
3301 POTTER		8	100.455	ŏ	17.18 1		
3301 POTTER		8	107.821	ŏ	18.33 1		
3301 POTTER		8	117.014	ō	20.83 1		
3301 POTTER		8	179.991	Õ	29.33 1		
3301 POTTER		8	231.429	Ō	36.73 1		
3301 POTTER		8	70.656	0	12.23 1		
3301 POTTER	133	8	76.727	0	13.25 1		
3301 POTTER	134	8	83.664	0	14.22 1		
3301 POTTER	135	8	90.147	0	15.40 1		
3301 POTTER	136	8	96.940	0	16.48 1		
3301. POTTER	137	8	103.639	0	17.53 1		
330' POTTER	138	8	110.530	0	18.74 1		
3301 POTTER	139	8	117.192	0	21.00 1		
	140	8	125.642	0	21.64 1		
3301 POTTER	141	8	130.731	0	22.19 1		
3301 POTTER		8	137.010	0	23.23 1		
	143	8	143.888	0	24.53 1		
3301 POTTER		8	150.688	0	25.35 1		
	145	8	157.500	0	26.29 1		
3301 POTTER		8	163.948	0	27.99 1		
	167	8	168.430	Ö	27.83 1		
3301 POTTER		8	319.554	0	50.32 0		MARCH WWW 846
3301 POTTER		8	339.753	0	52.33 0		NOISY WWY BAD
3302 AVENTN		8	262.691	0	38.78 1		NOISY
	103	8	262.547	0	39.28 1		
	104 105	8	261.525 269.816	0	38.96 l 39.97 l		
3302 AVENTN		8 8	269.548	Ö	39.83 1		
3302 AVENTN		8	302.707	Ö	43.87 1		
3302 AVENTN		8	312.599	Ö	45.35 1		
3302 AVENTN		8	324.535	ŏ	46.80 1		
3302 AVENTN		8	350.205	ŏ	49.85 1		
	113	8	298.719	ŏ	43.37 1		
3302 AVENTN		8	291.337	ŏ	42.79 1		
3302 AVENTN		8	283.420	Ō	41.51 1		
		15.					

STATION	SHOT		RANGE	T	TIME	P VEL		
NO NAME	31101		KM.	•	SEC.		EC COMM	FNT
.10 115116			14115		3200			
3302 AVENTN	116	8	276-194	0	40.67	1	WWV	BAD
3302 AVENTN		8	272.625	ō	39.95			
3302 AVENTN		8	266-415	Ō	39.32	1		
3502 AVENTN		8	202.360	ō		ī		
3302 AVENTN		8	208.003	Ō	31.77	ī		
3302 AVENTN		8	213.193	Ŏ	33.51	ī		
3302 AVENTN		8	21.9.026	Ō	34.31	ī		
3302 AVENTN		8	224.765	Ŏ		-		
3302 AVENTN		8	230.859	Ō	35.49			
3302 AVENTH		8	238.185	Ŏ	36.36	ī		
3302 AVENTN		8	292.232	Ō		1		
3302 AVENTN		8	338.496	Ō	49.38	ī	SIGN	AL FJOR
3302 AVENIN		8	200.461	Ō	32.06	ī		
3302 AVENTN		8	205.183	Ō	32.71	ī		
3302 AVENTN		8	210.878	0	32.88	1		
3302 AVENTN		8	216.063	0	34.10	ī		
3302 AVENTN		8	221.662	Ö	34.31	ī		
3302 AVENTN		8	227.152	Ö	35.31	ī		
3302 AVENTN		8	232.816	Ō	35.90	-		
3302 AVENTN		8	238.364	Ō	36.23			
3303 MOROCK		8	360.376	Ō	5C.88	ī		
3303 MOROCK		8	359.396	Ŏ	50.93	ĭ		
3303 MOROCK		8	357-221	Ō	50.51	i		
3303 MOROCK		8	363.521	Ō	51.57			
3303 MOROCK		8	361.523	Ō	51.28	ī		
3303 MOROCK		8	397.095	Ŏ	54.97	_		
3303 MOROCK		8	405.542	Ō	56.15	ī		
3303 MOROCK		8	415.779	Ŏ	57.30	_		
3303 MOROCK		8	438-045	Ö	60.10			
CARNEGIE 1							APPLICAT	IONS CENTER
4102 UPSTRT	_						_	
4106 UPSTRT	UUL	9	161.374	1	26.78	1	6000	,
		9	161.374 515.400	1		1	G000 P008	
4106 UPSTRT	149				73.36			Di .
4106 UPSTRT 4106 UPSTRT	149 150	9	515.400	1	73.36	1	POOR	Di L
4106 UPSTRT	149 150	9	515.400 529.303 543.689	1	73.36 74.51	1 1 1	POOR	
4106 UPSTRT	149 150 151 140	9 9 9	515.400 529.303	1 1 1	73.36 74.51 75.41	1 1 1	POOR POOR POOR	
4106 UPSTRT 4110 UPSTRT	149 150 151 140 141	9 9 9 9	515.400 529.303 543.689 364.830	1 1 1	73.36 74.51 75.41 50.29	1 1 1 1 1	POOR POOR POOR	
4106 UPSTRT 4110 UPSTRT 4110 UPSTRT	149 150 151 140 141 142	9 9 9 9	515.400 529.303 543.689 364.830 367.597	1 1 1 1	73.36 74.51 75.41 50.29 52.04	1 1 1 1 1	POOR POOR POOR	
4106 UPSTRT 4110 UPSTRT 4110 UPSTRT 4110 UPSTRT	149 150 151 140 141 142 143	9 9 9 9 9	515.400 529.303 543.689 364.830 367.597 370.963	1 1 1 1 1	73.36 74.51 75.41 50.29 52.04 52.67	1 1 1 1 1	POOR POOR POOR	
4106 UPSTRT 4110 UPSTRT 4110 UPSTRT 4110 UPSTRT 4110 UPSTRT	149 150 151 140 141 142 143	9 9 9 9 9	515.400 529.303 543.689 364.830 367.597 370.963 374.297	1 1 1 1 1 1	73.36 74.51 75.41 50.29 52.04 52.67 53.73	1 1 1 1 1 1	POOR POOR POOR	
4106 UPSTRT 4110 UPSTRT 4110 UPSTRT 4110 UPSTRT 4110 UPSTRT 4110 UPSTRT	149 150 151 140 141 142 143 144	9 9 9 9 9 9	515.400 529.303 543.689 364.830 367.597 370.963 374.297 378.246	1 1 1 1 1 1	73.36 74.51 75.41 50.29 52.67 53.73 54.85	1 1 1 1 1 1	POOR POOR POOR	
4106 UPSTRT 4110 UPSTRT	149 150 151 140 141 142 143 144 145 146	9 9 9 9 9 9 9 9	515.400 529.303 543.689 364.830 367.597 370.963 374.297 378.246 381.688 385.420 415.216	1 1 1 1 1 1 1	73.36 74.51 75.41 50.29 52.04 52.67 53.73 54.85 55.09 55.98 58.22	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	POOR POOR POOR FAIR	
4106 UPSTRT 4110 UPSTRT 4116 UPSTRT	149 150 151 140 141 142 143 144 145 146 10C	9 9 9 9 9 9 9	515.400 529.303 543.689 364.830 367.597 370.963 374.297 378.246 381.688 385.420 415.216 462.587	1 1 1 1 1 1 1 1 1 1 1	73.36 74.51 75.41 50.29 52.04 52.67 53.73 54.85 55.09 55.98 58.22 62.50	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	POOR POOR POOR	
4106 UPSTRT 4110 UPSTRT 4116 UPSTRT 4116 UPSTRT 4116 UPSTRT	149 150 151 140 141 142 143 144 145 146 100	9 9 9 9 9 9 9 9	515.400 529.303 543.689 364.830 367.597 370.963 374.297 378.246 381.688 385.420 415.216 462.587 342.861	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	73.36 74.51 75.41 50.29 52.04 52.67 53.73 54.85 55.09 55.98 58.22 62.50 43.82	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	POOR POOR POOR FAIR	
4106 UPSTRT 4110 UPSTRT 4116 UPSTRT 4116 UPSTRT 4124 UPSTRT 4124 UPSTRT	149 150 151 140 141 142 143 144 145 146 100 111 114	9 9 9 9 9 9 9 9	515.400 529.303 543.689 364.830 367.597 370.963 374.297 378.246 381.688 385.420 415.216 462.587	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	73.36 74.51 75.41 50.29 52.04 52.67 53.73 54.85 55.09 55.98 58.22 62.50 43.82 47.13	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	POOR POOR POOR FAIR	
4106 UPSTRT 4110 UPSTRT 4116 UPSTRT 4116 UPSTRT 4116 UPSTRT 4124 UPSTRT 4124 UPSTRT	149 150 151 140 141 142 143 144 145 146 100 111 114 116	9 9 9 9 9 9 9 9 9	515.400 529.303 543.689 364.830 367.597 370.963 374.297 378.246 381.688 385.420 415.216 462.587 342.861 317.761 308.842		73.36 74.51 75.41 50.29 52.04 52.67 53.73 54.85 55.09 55.98 58.22 62.50 43.82 47.13	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	POOR POOR POOR FAIR	
4106 UPSTRT 4110 UPSTRT 4116 UPSTRT 4116 UPSTRT 4116 UPSTRT 4124 UPSTRT 4124 UPSTRT 4124 UPSTRT 4124 UPSTRT	149 150 151 140 141 142 143 144 145 146 100 111 114 116 117	9 9 9 9 9 9 9 9 9 9	515.400 529.303 543.689 364.830 367.597 370.963 374.297 378.246 381.688 385.420 415.216 462.587 342.861 317.761		73.36 74.51 75.41 50.29 52.04 52.67 53.73 54.85 55.09 55.98 58.22 62.50 43.82 47.13 45.98 43.39	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	POOR POOR POOR GOOD GOOD	
4106 UPSTRT 4110 UPSTRT 4116 UPSTRT 4116 UPSTRT 4116 UPSTRT 4124 UPSTRT	149 150 151 140 141 142 143 144 145 146 100 111 114 116 117	9 9 9 9 9 9 9 9 9 9 9	515.400 529.303 543.689 364.830 367.597 370.963 374.297 378.246 381.688 385.420 415.216 462.587 342.861 317.761 308.842		73.36 74.51 75.41 50.29 52.04 52.67 53.73 54.85 55.09 55.98 58.22 62.50 43.82 47.13 45.98 43.39 34.01	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	POOR POOR POOR GOOD GOOD	
4106 UPSTRT 4110 UPSTRT 4116 UPSTRT 4116 UPSTRT 4124 UPSTRT	149 150 151 140 141 142 143 144 145 106 101 111 114 116 117 118 132 133	999999999999999	515.400 529.303 543.689 364.830 367.597 370.963 374.297 378.246 381.688 385.420 415.216 462.587 342.861 317.761 308.842 295.893 222.444 223.326		73.36 74.51 75.41 50.29 52.67 53.73 54.85 55.09 58.22 62.50 43.82 47.13 45.98 43.39 34.01 34.67	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	POOR POOR POOR GOOD GOOD	
4106 UPSTRT 4110 UPSTRT 4116 UPSTRT 4116 UPSTRT 4124 UPSTRT 4138 UPSTRT 4138 UPSTRT	149 150 151 140 141 142 143 144 145 106 101 111 114 116 117 118 132 133 134	999999999999999	515.400 529.303 543.689 364.830 367.597 370.963 374.297 378.246 381.688 385.420 415.216 462.587 342.861 317.761 308.842 295.893 222.444 223.326 225.193		73.36 74.51 75.41 50.29 52.67 53.73 54.85 55.09 55.98 58.22 62.50 43.82 47.13 45.98 43.39 34.01 34.67	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	POOR POOR POOR GOOD GOOD	
4106 UPSTRT 4110 UPSTRT 4116 UPSTRT 4116 UPSTRT 4124 UPSTRT	149 150 151 140 141 142 143 144 145 106 101 111 114 116 117 118 132 133 134	999999999999999	515.400 529.303 543.689 364.830 367.597 370.963 374.297 378.246 381.688 385.420 415.216 462.587 342.861 317.761 308.842 295.893 222.444 223.326		73.36 74.51 75.41 50.29 52.67 53.73 54.85 55.09 58.22 62.50 43.82 47.13 45.98 43.39 34.01 34.67	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	POOR POOR POOR GOOD GOOD	

.

The second section is a second

--- <u>-</u>

- 5 - 3 - 4

STATION	SHOT	R	RANGE	ī	TIME	P	VEL.	
NO NAME			KM.		SEC.		KM/SEC	COMMENT
	1.24	^	228.751	ı	35.19	1		FAIR
4138 UPSTRT		9	230.777	i	35.79			FAIR
4138 UPSTRT 4138 UPSTRT	138	9	232.973	i	36.16			
	139	9	235.372	i		ī		
4140 UPSTRT		9	232.084	ī	41.62			POOR
	120	9	232.765	ī	37.09			FAIR
4140 UPSTRT		9	232.107	i.	35.88	ı		FAIR
4140 UPSTRT		9	233.611	1	36.42	1		FAIR
4140 UPSTRT	123	9	234.619	1	36.15	1		POOR
4140 UPSTRT	124	9	235.754	1	36.12	ı		
4140 UPSTRT		۴	236.5 8	1	36.59			POOR
4142 UPSTRT	128	Ş	260.990	1	40.47			G000
4204 ZULU	601	9	218.283	1	33.96	1		
4204 ZULU	602	9	218.283	1	33.96	1		
4210 ZULU	132	9	195.004	1	31.69	1		VERY NOISY
4210 ZULU	134	9	194.35i	1	31.67			BETTER THAN 133 134
4210 ZULU	135	9	194.241	1	31.72	1		G000
4210 ZULU	136	9	194.701	1	32.10			NOISY
4210 ZULU	137	9	195.200	1	31.61	1		POOR ONSET
4210 ZULU	138	9	195.884	ì	31.98	1		WERN COOR
4210 ZULU	139	9	190.900	1	31.70			VERY GOOD
4212 ZULU	140	9	205.569	_	35.63 32.66			MAY BE EARLIER FAIR
4212 ZULU	141	9	205 . 977 206 . 509	1	32.92			FAIR
4212 ZULU	142	9	206.735	ì	33.31			CLEAR
4212 ZULU 4212 ZULU	143	9	207.953	i	34.25	_		CLEAR
4212 ZULU	145	9	208.606	i	33.76			CLEAR
4212 ZULU	146	9	209.964	i	34.30	_		G000
4212 ZULU	147	9	212.669	ì				G000
4216 XECKS	114	9	262.747	i	34.45			VERY GOOD
4216 XECKS	115	ý	256.308	ī	40.91	ī		VERY GOOD
4216 XECKS	116	9	250.798	ī	39.77			VERY GOOD
4216 XECKS	117	9	248.970	ī	38.90			VERY GOOD
4216 XECKS	118	ģ	245-075	ī	37.21	ī		6000
4218 ZULU	113	9	253.066	1	39.20	1		GOOO EVENT
4218 ZULU	114	9	244.808	1	32.37	1		POSS EARLIER
4218 ZULU	115	9	236.170	1	38.37	1		
4218 ZULU	116	4	228.401	l	36.43	1		
4218 ZULU	117	9	224.546	1	35.63	1		
4218 ZULU	118	9	218.313	1	33.83	1		
4220 XECKS	128	4	267.340	1		1		NO ENERGY
4222 ZULU	126	9	203.610	1	32.96			FAIR
4222 ZULU	128	4	244.902	1	37.90			
4226 XECKS	132	9	149.955	1	24.81			G000
4226 XECKS	133	9	146.465	ļ	25.59	_		QUESTIONABLE
4226 XECKS	134	9	147.891	1	25.55			FAIR
4226 XECKS	135	9	147.196	1	25.50			G00D
4226 XECKS 4226 XECKS	136	9	147.140	1	25.29	_		G00D
4226 XECKS	137 138	9	147.212	1	25.43 25.44	_		GOOD
ACED VERVO	130	7	147.545	1	25.44	1		VERY GOOD

4226 XECKS 139 9 148.309 1 25.40 1 EXCELLENT 4228 XECKS 145 9 182.666 1 30.65 1 VERY GOOD 4228 XECKS 146 9 183.681 1 31.26 1 VERY GOOD	
4228 XECKS 145 9 182.666 1 30.65 1 VERY GOOD	
ARRO MECHE	
4228 XECKS 147 9 186-202 1 31-12 1 VERY GOOD	
4232 XECKS 119 9 137.849 1 26.73 1 GOOD EVEN	
4232 XECKS 120 9 144.817 1 23.72 1 EXCELLENT	•
4232 XECKS 121 9 151.383 1 25.86 1 EXCELLENT	
4232 XECKS 122 9 158.057 1 27./. 1 EXCELLENT	
4232 XECKS 123 9 164.848 1 29.1.1 EXCELLENT	
4232 XECKS 124 9 172.057 1 29.18 1 EXCELLENT	
4232 XECKS 125 9 180.980 1 30.45 1 EXCELLENT	
4234 ZULU 119 9 118.446 1 23.35 1 GOOD	
4234 ZULU 120 9 124.605 1 20.22 1 GOOD	
4234 ZULU 121 9 130.382 1 22.00 1 GOOD	
4234 ZULU 122 9 136.629 1 23.93 1 DEFINITE	BY HERE
4234 ZULU 123 9 142.895 \ 25.64 1	
4234 ZULU 124 9 149.575 25.55 1 GG 14	
4234 ZULU 125 9 157.770 1 27.37 1 GOOD	
4302 YOKE 113 9 491.852 1 69.33 1	
4302 YOKE 114 9 492.966 1 63.46 1	
4302 YOKE 116 9 494.201 1 69.73 1	
4302 YOKE 117 9 497.469 1 69.99 1	
4302 YOKE 118 9 499.012 1 69.17 1	
4304 TASMAN 142 9 448.350 1 62.55 1 GODD 4304 TASMAN 143 9 455.192 1 63.45 1 EXCELLENT	
And The Man and The Control of the C	
Anni Tachini tan	
4304 TASMAN 146 9 475.091 1 66.51 1 EXCELLENT 4304 TASMAN 147 9 479.602 1 66.66 1 EXCELLENT	
4304 YOKE 705 9 642.361 1 88.75 1 POOR	
4308 YOKE 132 9 317.349 1 45.14 1	
4308 YOKE 133 9 323.502 1 47.04 1	
4308 YOKE 134 9 330.438 1 47.66 1	
4308 YOKE 135 9 336.862 1 48.64 1	
4310 YOKE 136 9 329.336 1 47.84 1	
4310 YOKE 137 9 335.681 1 48.89 1	
4310 YOKE 13R 9 342.181 1 49.72 1	
4310 YOKE 139 9 348.475 1 50.24 1	
4312 YOKE 145 9 354.167 1 50.49 1	
4312 YOKE 146 9 360.000 1 51.59 1	
4312 YOKE 147 9 364.557 1 51.99 1	
4312 YOKE 722 9 323.629 1 50.19 1 FAIR	
4316 YOKE 150 9 460.579 1 67.91 1 CHECKED	
4316 YOKE 151 9 479.138 1 70.73 1 CHECKED	
4326 YOKE 128 9 411.186 1 65.90 1 MAY BE EAR 4330 YOKE 140 9 299.849 1 44.15 1	LIER
1600	
4339 YOKE 141 9 304.739 1 44.39 1 4330 YOKE 142 9 310.751 1 45.01 1	
4330 YUKE 143 9 317.254 1 45.95 1	
4332 YOKE 601 9 169.248 1 26.39 1	

-	ATION	SHOT	R	RANGE	T	TIME P	VEL. KM/SEC COMMENT	
פא	NAME			KM.		SEC.	KH/3EC CUNHENT	
4133	YOKE	602	9	169.248	ı	26.38 1		
	YOKE	119	ģ	318.254	ī	49.70 1		
4340		120	9	325.861	ī	46.74 1		
4340		121	9	333.136	ī	48.81 1		
4342		122	9	313.114	ī	46.80 1	POSS TIMI	NG ERROR
4342		123	9	320.299	1	48.01 1		
4342		124	9	327.928	ì	48.01 1		
4342		125	9	337.517	ì	49.66 1		
4404	VIRGNA	140	9	461.856	1	64.35 1	GOOD	
	VIRGNA		9	466.368	1	64.45 1	FAI.	
	VIRGNA		9	471.894	1	64.95 1	FAIR	
	YIRGNA		9	483.833	1	67.13 1	POOR	
	VIRGNA		9	489.656	1	67.86 L	POOR	
	VIRGNA		9	495.357	1	68.60 1	POOR	
	VIRGNA		9	499.895	1	68.70 1	G00D	
	VRGNA	722	9	299.090	ì	46.24 1	DEFINITE	BY HERE
	VIRGNA		9	592.342	1	84.15 1	POOR	
	VIRGNA		9	610.446	1	86.47 1	60C7	
	VIRGNA		9	628.746	ļ	89.00 1	POOR	
	VRGNA	723	9	477.464	1 1	74.71 1	VERY POOR	000
	VRGNA	724	9	265.936	_	40.95 1	FAIR TO G	עניט
4408 4408		102	7	441.282 437.551	1 1	61.59 1 62.83 1	POOR	
		103	9		ì		FAIR	
4408		104	9	432.669 434.981	1	61.20 1 61.21 1	VERY GOOD	
4408 4408		105	9	47.139	ì	61.01 1	GUOD	
4408		107	9	70.176	i	66.05 1	EXCELLENT POOR	
4408		108	9	499.635	ì	68.95 1	FAIR TO P	000
4408		109	9	510.763	ī	70.18 1	POOR	UUK
4408		111	9	534.201	i	71.18 1	VERY GOOD	
4408		113	9	486 251	î	67.10 1	FAIR	
4408	-	114	ģ	478.816	ī	64.84 1	POOR	
4408		115	9	470.411	ī	62.36 1	VERY POOR	
4408		117	9	457.180	ī	63.70 1	POOR	
4408	SUVA	118	Q	448.598	1	61.48 1	POOR	
440H	SUVA	120	9	395.451	1	56.71 1	POOR	
4408	SUVA	121	9	400.436	1	57.45 1	FAIR	
4408	SUVA	122	9	406.086	1	57.33 1	FAIR	
4408	SUVA	123	9	411.571	1	59.13 1	POOR TO F	AIR
4408		124	9	417.352	1	58.38 1	POOR	
440H		125	9	424.174	1	59.35 1	POOR	
4404		126	9	474.266	1	66.33 1	POOR	
4408		128	9	516.965	1	70.96 1	POOR	
4408		132	9	388.083	1	65.49 1	VERY POOR	
4408		133	9	392.695	1	64.31 1	POOR	
4408		134	9	398.233	1	56.77 1	FAIR	
4408		135	ò	403.213	1	59.04 1	FAIR	
4408		136	9	408.574	1	57.67 1	QUESTIONA	BLE
4408		137	9	413.788	1	58.19 1	POOR	
4408	JUVA	138	9	419.132	1	58.74 1	FAIR	

...

	A 7 1 04.	£11415			_	<u>.</u>			
NO	NAME	SHUI	K	RANGE	Į	TIME	Р	VEL.	
40	HARE			KM.		SEC.		KM/SEC	COMMENT
4408	SUVA	139	9	424.374	ı	59.08			E410 TO CDOD
	SUVA	140	9	431.263	ì	_			FAIR TO GOOD
	SUVA	141	9	435.333	ì	59.66	_		FAIR TO PODR
	SUVA	142	9	440.308	i		i		PUDR
4408	SUVA	143	9	445.514	ĩ	61.06	ì		VELY POOR
	SUVA	144	9	451.045	ī	63.69	_		LERY UNCERTAIN
	SUVA	145	9	456.238	ī	62.71			PODR
4408	SUVA	146	9	461.435	ī	63.90			FAIR TO GODD
4408	SUVA	147	9	465.859	1	64.28	_		FAIR TO GOOD
4408	SUVA	149	9	575.661	ī	44.87	_		SOMETHING WRONG
4408	SUVA	150	9	593.263	ī	83.90	_		GDUD BIG EVEN
4408	SUVA	151	9	611.098	ī	85.31			BIG EVENT
4410	VIRGNA	107	9	466.739	ı	63.12	Ī		GDOD
	VIRGNA		9	477.227	1	65.64	1		MAY BE FARLIER
4410	VIRGNA	109	9	489.442	1	68.33			PDDR
	VIRGNA		9	514.833	1	68.97	1		VERY GODD
	VIRGNA		9	115.857	1	19.70	ı		VERY GDDD
	VIRGNA	_	9	115.857	1	19.72			GUDD
	VRGNA	726	9	222.060	1	35.47	1		VERY WEAK
	VIRGNA		9	431.317	1	57.35	1		GOOD
	VIRGNA		9	430.310	1	61.62	1		FAIR
	VIRGNA		9	403.669	1	57.40	1		VERY GOOD
	VIRGNA		9	401.432	l	51.41	1		VERY GOOD
4424	VIRGNA	115	9	391.146	1	57.09	1		DEFINITE BY HERE
4424	VIRGNA	116	8	381.050	2		1		DEFINITE BY HERE
4424	VIRGNA	117	9	374.383	1	53.81	1		GDOD
9929	VIRGNA	118	9	363.967	1	51.65	2,		DEFINITE BY HERE
	TUCYAN		9	648.729	1	90.81	ı		GDDO
4424	TUOYAW	151	9	668.437	1		ı		FAIR
4434	VIRGNA	119	4	313.989	1	48.86	1		FAIR TO POOR
	VIRGNA		9	320.126	1	45.58	1	4	GDOO
4434	VIRGNA VIRGNA	121	9	325.775	1		1	+	GDOD
4414	VIRGNA	122	9	331.867	1	48.63	1		GODD
44 54	VIRGNA	124	9	337.935	1		1	Į	FAIR TO GOOD
	VIRGNA		9	344.326	1	50.12	_		FAIR
4502		105	9 4	352.014	ı		1	(GDDD
4502		106	9	540.671	ļ		l		
4502		111	9	541.534	1	75.60			EXCELLENT
4502		139	9	636.239 534.324	ļ	84.70	_		
4502		147	9	576.900	l	73.30		_	
4502		153	9	617.077	1	80.60	_	(DUESTIONABLE
4502		156	9	738.291		84-20			
4502		601	ý	111.905	1	102-30			
4502		602	9	111.905	ì	19.70			
4614	TASMAY	102	ý	725.437	i	94.72		_	****
4618	FASHAY	103	9	731.336	ì	99.47			AIR
4618	TASMAN	104	9	730.133	ì	99.96			DOD EVENT
4618	TASMAN	105	9	749.790	ì	101.79			LDW SPEED
4618	TASMAN	105	9	749.790	î	101.79		0	OOD CHECKED
				-	-		•	U	OUD CHECKEU

ST/	ATION	SHOT	R	RANGE	1	TIME	ρ	VEL.	
NU .	NAME	• • • • • • • • • • • • • • • • • • • •	•••	KM.		SEC.		KM/SEC	COMMENT
10	144716					_			
4618	TASMAN	106	9	752.728	ı	102.05	1		COOD
	TASMAN		9	752.728	ī	102.05			6000
	TASMAN		9	598.068	ī	82.81	ì		VERY GOOD
	TASMAY		9	66.0.322	ī	76.98	_		VERY GOOD
	TASMAN		ý	601.733	ī	84.23			VERY GOOD "
	TASMAN		9	603.513	i	83.56			GUOD
	TASMAN		9	607.461	i	83.87			GUOD
-	TASMAN		9	609.698	i	83.01	i		6000
	TASMAN		9	503.507	i	69.41	i		NOISY
-	TASMAN		9	510.587	i	71.58			NOISY
_			9	517.459	i	72.62			YZIGN
	TASMAN		9	524.555	i	74.21			BEST OF THIS SERIES
			-		i	75.13			NO EARLIER
	FASMAN		9	532.076	_				
	TASMAN		9	541.456	l	75.75			VERY GOOD
_	TASMAN		9	621.500	l	84 .81	ļ		FAIR
	TASMAN		9	460.334	1	63.94			G00D
	TASMAN		9	466.818	l	65.59			GOODECOMPARE 1344
	TASMAN		9	474.009	l	66.34	_		VERY GOOD
_	TASMAN		9	480.721	l	67.53			VERY GOOD
_	TASMAN		9	487.664	1	68.12			POORER THAN 135,134
4628	TASMAN	137	9	494.484	l	69.28			UNCERTAIN
4628	FASMAN	138	9	501.465	Ţ	70.34	ı		LIKE 136
4628	TASMAN	139	9	508.179	1	79.76	ı		EXCELLENT
4628	TASMAN	100	9	230.545	Į	37.24	ı		GOOD
4428	TUOYAM	723	Ġ	356.528	l	61.05	ì		NOT FIRST ARRIVAL
4428	TUOYAW	724	9	185.010	l	29.88	ı		EXCELLENT
4602	TASMAN	709	9	317.294	1	44.30	ı		DEFINITE BY HERE
4630	YOKE	102	9	682.191	ı	92.64	l		POOR TO FAIR
4630	YOKE	103	9	688.633	1	94.26	ì		FAIR
4630		104	ij	692.998	1	94.67	ı		FAIR
4630		105	G.	706.169	ì	1315.04	1		FAIR
4630		106	4	709.822	ì	95.52	-		GUUD
4530	-	712	9	135.935	•	22.97			PUOR
4630		713	ý	337.853	i	50.20			VERY POOR
4632		108	ý	608.206	i	83.34	_		FAIR
4632		111	9	608-013	ì	_			FAIR
	TASMAN		ç	538.471	i		i		POUR
	TASHAN		9	247.087	ì	39.67			PUOR
4650		108	Ġ	728.492	i	98.70			POSS & 10 SEC
			9		_				EU32 & IN JEC
4650		111		650.476	ļ	87.90			
4650		139	9	645.294	l	87.30			COOR TO MERY COOR
	HAYOUT		9	478.088	i	69.75			GOOD TO VERY GOOD
	TUOYAM		9	576.450	1	79.60	_		GUOD
	WAYUUT		9	283.728	1	43.84	l		EXCELLENT
	TUOYAW		9	545.072	ī	75.47	_		POOR
	TUOYAW		9	551.329	1	77.65			POOR
	HAYOUT		9	557, 869	Ţ	77.95			FAIR
	WAYDUT	137	9	564.205	1	78.46			FAIR
	TUOYAW		9	570.805	ì	79.19			FAIRLY GOOD
4710	HAYOUT	139	9	577.125	1	79.50	1		GODD

STATION	SHOT	R	RANGE	ľ	TIME P	VEL.	
ND NAME			KM.		SEC.		CORMENT
4-20 WAYOUT	102	9	533.429	ı	71.30 1		VERY POOR
4720 WAYOUT	103	9	534.040	1	74.79 1		FAIRLY GOOD
4720 HAYDUT	104	9	533.053	1	74.40 1		G000
4720 WAYOUT	105	9	540.432	1	74.80 1		FAIR
4720 WAYDUT	106	9	538.876	1	75.00 1		EXCELLENT
4722 WAYDUT	140	9	539.693	ì	74.67 1		VERY GOOD
4722 WAYDUT	141	9	544.514	ı	74.98 1		G000
4722 WAYDUT	142	9	550.432	ì	75.66 1		GDDO
4722 WAYDUT	143	9	556.797	1	76.72 1		FAIRLY GOOD
4722 HAYDUT	144	9	563.233	1	78.58 1		FAIRLY GOOD
4722 WAYOUT	145	9	569.515	1	78.54 1		GDDO
4722 WAYOUT	146	9	575.572	1	79.70 1		FAIR 19 GOCO
4724 BLHV	106	9	613.657	1	64.70 i		
4724 BLWV	108	9	611.208	1	83.80 1		FAIR
4724 BLWV	139	9	566.404	1	78.10 1		G000
4724 BLWV	147	9	616.187	1	84.00 1		G000
4724 BLWV	153	9	662.772	1	91.20 1		BIG EVENT
4724 BLWV	154	9	678.602	1	94.60 1		
4724 BLWV	601	9	227.207	1	37.90 1		FAIR
47.4 BLWV	603	9	227.207	1	37.50 1		
4728 WAYOUT		9	581.140	1	78.90 L		FAIR
4726 WAYDUT	122	9	587.951	ĭ	eo.76 1		G000
4728 WAY 3UT	123	9	594.930	ì	82.74 1		FAIRLY GOOD
4728 WAY 1UT	124	9	602.316	ī	82.83 1		G000
4728 WAYJUT	125	9	611.464	ī	83.52 1		FAIR TO GOOD
4734 UPSTRT	103	9	543.564	ī	76.97 1		G000
4734 UPSTRT	1/34	9	544.246	ī	76.67 1		GUOD
4734 UPSTRT	105	9	553.739	ī	76,40 1		6000
4734 UPSTRT	106	9	553.681	ī	77.16 1		6000
4736 WAYOUT	718	9	300.328	ī	45.13 1		POOR
4736 WAYOUT	719	9	645.449	ī	93.61 1		VERY POOR
4736 WAYDUT		ģ	593.439	ī	76.09 1		G000
4/38 WAYOUT		9	592.949	ī	83.04 1		G000
4/38 WAYOUT		9	592.789	ī	82.13 1		G000
4738 WAYOUT		2	595.043	ī	82.41 1		6000
473H HAYOUT	1.5	9	595.168	ī	81.31 1		6000
4738 WAYOUT	1:5	9	276.439	ì	43.05 1		FAIR
4738 WAYDUT		ģ	338.351	ī	50.67 1		VERY POOR
4742 WAYOUT		9	526.161	i	73.21 1		VERY GODO
4742 WAYDUT		ģ	529.884	i	76.17 1		FAIR EMERGENT
4742 WAYDUT		ģ	539.982	i	73.49 1		VERY GOOD
4742 WAYOUT		ģ	194.968	i	32.00 1		GOGD
4742 HAYOUT		9	194.968	i	32.00 1		G000
4742 WAYDUT	726	9	204.649	i	34.11 1		POOR
4742 WAYOUT	727	9	175.074	i	23.56 1		SOMETHING WRONG
4820 ZULU	104	9	640.467	ì	88.85 1		UNCERTAIN
4820 ZULU	106	9	637.865	i	85.94 1		EXCELLENT
4924 BRPA	106	9	631.721	i	86.70 1		PULTERFI. I
4924 BRPA	111	9	773.641	i	102.00 1		
4924 BRPA	601	ģ	241.315	i	35.40 1		

•

				_			
STATION	SHOT	R	RANGE	T	TIME P	VEL.	
NU NAME			KM.		ScC.	KM/SEC	COMMENT
4924 BRPA	602	9	241.315	1	39.30 1		
5056 CLFARM	102	9	556.111	1	72.72 1		UNCERTAIN
5056 CLFARM	103	9	545.844	1	75.25 1		GOOD
5056 CLFARM	104	9	534.869	1	73.95 1		FAIR
505' TLTARM	105	9	527.407	1	72.21 1		FAIR
5056 CLFARM		9	516.818	1	71.13 1		EXCELLENT
	107	9	639.287	ī	83.40 1		2,130000
5056 CLFARM	_	ģ	652.756	ī	86.88 1		POOR
5056 CLFARM		ģ	667.887	i	88.62 1		POORER THAN 108
5056 CLFARM		9	697.974	i	91.07 1		FOORER THAN 100
5056 CLFARM		9	634.139	i	84.62 1		POOR ·
		9		i	77.61 1		
5056 CLFARM			622.247				FAIR
5056 CLFARM		9	609.180	ļ	83.21 1		FAIR
5056 CLFARK		9	595.877	1	80.72 1		FAIR
5056 CLFARM		9	585.778	1	79.33 1		UNCERTAIN
5056 CLFARM		9	570.985	1	76.35 1		FAIR
50'6 CLFARM	119	9	537.826	ı	75.42 1		FAIR
5736 CLFARM	120	9	541.337	1	72.32 1		POOR
156 CLFARM	121	9	544.300	ì	73.42 1		G00 0
5056 CLFARM	122	9	548.381	į	74.28 1		G000
5056 CLFARM	123	9	552.063	1	75.71 1		FAIR
5056 CLFARM	124	9	555.905	ı	74.87 1		FAIR
5056 CLFARM	125	9	560.077	ı	75.44 1		
5056 CLFARM		9	594.399	1	80.56 1		FAIR
5056 CLFARM		9	625.514	ī	84.58 1		GOOD ARRIVAL
5056 CLFAL4		9	536.624	ī	71.11 1		POOR
5056 CLFARM		9	539.403	i	72.82 1		FAIR
5056 CLFARM		9	543.107	i	73.44 1		FAIR
		9	546.264	i	74.44 1		7 7 1 7
5056 CLFARM				_			FAIR
5056 CLFARM		9	549.837	1			
5056 CLFARM		9	553.255	ı	74.42 1		FAIR
5056 CLFARM		9	556.754	1	74.54 1		POOR
5056 CLFARM		9	565-124	1	75.82 1		FAIR
5056 CLFARM		9	567.926	1	75.64 1		G000
5056 CLFARM		9	571.309	ı	76.43 1		FAIR
5056 CLFARM	143	9	574.627	1	78.04 1		POOR
5056 CLFARM	144	9	578.529	1	78.50 1		G000
5056 CLFARM	145	9	581.885	1	78.25 1		G000
5056 CLFARM	146	9	585.515	1	78.88 1		GDDO
5056 CLFARM	147	9	589.342	ì	79.74 1		FAIR
5056 CLFARM	149	9	670.726	l	88.00 l		POOK S/N
5056 CLFARM	150	9	684.574	1	93.42 1		POOR
5056 CLFARM	151	9	698.818	ı	95.09 1		VERY POOR
5056 CLFARM		9	617.588	1	83.21 1		GOOO EVENT
5056 CLFARM		9	627.572	ī	85.38 1		FAIR
5G56 CLFARM		9	711.433	ī	90.99 1		VERY FOOR
5122 STIMES		9	544.118	ī	1		
5122 STIMES		ģ	554.726	i	i		
5122 STIMES		9	565.951	î	i		
5130 STIMES		9	425.074	i	66.94 1		POJR
7130 3114E2	170	7	727017		301.77 L		

STATION	SHOT	R	RANGE	T	TIME P	VEL.	
NO NAME			KM.	-	SEC.		COMMENT
5130 STIMES	141	9	426.281	1	1		
5130 STIMES		9	427.706	i	i		VERY POOR
5130 STIMES					i		TEN FOOR
		9	428.813	ļ			
5130 STIMES		9	430.736	ı	1		
5130 STIMES		9	432.002	1	1		
5130 STIMES		9	433.806	1	61.33 1		FAIR
5130 STIMES	147	9	436.717	ì	1		
5210 STIMES		9	210-199	1	34.33 1		GOOD
5210 STIMES	602	9	210.199	ı	34.72 1		G000D
5216 STIMES	107	9	592.547	l	78.00 1		GOOD
5216 STIMES		9	605.327	1	82.07 1		FAIR
5216 STIMES		9	619.777		1		
5216 STIMES		9	648.750	ī	85.47 1		FAIR TO GOOD
5304 CPO	102	9	875.009		112.60 1		
5304 CPO	105	9	913.694	i	119.90 1		FAIR
							G000
5304 CPO	106	9	920.743	ļ			
5304 CPO	108	9	804.553	ı	108.70 1		FAIR
5304 CPO	111	9	782.622		104.00 1		G000
5304 CPO	139	9	818.324	1	102 50 1		
5304 CPO	153	9	918.126	1	121.70 1		
5304 CPO	154	ξ.	934.741	1	124.70 1		
5304 CPO	156	9	1057.755	1	140.00 1		QUESTIONABLE
UNITED STA	TES G	EOL	UGICAL SUR	VEY			
6001 HOTEL	132	8	431.780	0	60.36 1	8.13	
6001 HOTEL	133	8	438.580	0	61.20 1	5.20	
POOT HOLET	134	8	445.910	Ŏ	62.10 1	8.04	
POUT HOLEF	135	8	452.880	ŏ	62.87 1	8.08	
_	136	8	459.990	ŏ	63.86 1	8.12	
6001 HOTEL						8.06	
6001 HOTEL	137	8	467.030	0	64.81 1		
6001 HOTEL	138	A	474.250	0	65.42 1	8.11	
6001 HOTEL	139	8	481-160	0	66.31 1	8.11	
6001 HOTEL	140	8	489.760	0	67.08 1	8.09	
6001 HOTEL	142	8	500.760	0	68.56 1	8.19	
6001 HOTEL	143	8	508.650	0	69.43 1	8.20	
6001 HOTEL	144	8	515.580	0	70.43 1	8.16	
6001 HOTEL	145	8	522.680	0	71.23 1	8.13	
6001 HOTEL	146	8	529.270	0	72.05 1	8.04	
6001 HOTEL	147	8	533.480	0	72.77 1	8.10	
6002 INDIA	134	8	515-040	0	70.89 1	8.04	
6002 INDIA	135	8	522.010	Ō	71.77 1	8.08	
6002 INO1A	137	8	536-150	ō	73.43 1	8.06	
6002 INOIA	139	8	550-280	ō	75.07 1	8.11	
6002 INOIA	140	8	558.870		76-16 1	8.09	
6002 INOIA	141	8	564-090	-	76.77 1	8.09	
				0			
6002 INOIA	143	8	577.790	0	78.13 1	8.20	
6002 INOIA	145	8	591.820	0	79.75 1	8.13	
ADDI SOOS	146	8	598-400	0	80.89 1	8.04	
410NI 2009	147	8	602.580	0	81-15 1	8.10	
6004 KILO	140	8	705.127	0	94.35 1	8.09	
6004 KILO	141	8	710.350	0	95.10 1	8.09	
6004 KILO	145	e	738.060	0	97.90 1	8.13	

STATION	SHOT	R	RANGE	T	TIME	P VEL.	
NO NAME	0.701	•	KM.	•	SEC.		COMF INT
			*****		3201	NH/ 3EG	COM 'NI
1704 KILO	146	8	744.640	0	98.45	8.04	
" LIMA	126	8	157.330	ŏ	26.26		
LIMA	132	8	44.420	Ŏ	7.55		
ouds LIMA	133	8	51.070	Ō	8.85		
AG: IMA	134	8	58.140	0	9.81		
w i IMA	135	8	65.000	0	10.99		
LIMA د. ت	13.	8	71.980	0	12.41		
60C LIMA	138	8	86-110	0	14.72		
6005 LIMA	139	8	92.960	0	15.80		
6005 LIMA	142	8	113.090	0	19.13		
6UO5 LIMA	143	8	120.330	0	20.36	l	
6005 LIMA	144	8	127-210	0	21.06	l	
6005 LIHA	145	8	134.340	0	22.71	l	
6005 LINA	146	8	140-900	0	23.83	l	
6005 LINA	147	8	144.990	0	24.50	l	
6006 PAPA	134	8	719.900	0	96.31	8.04	
6006 PAPA	135	8	726. 70	0	97.11	8.08	
6006 PAPA	136	8	733. 90	0	97.75	8.12	
6006 PAPA	137	8	741.ú30	0	99.35	8.06	
6006 PAPA	138	8	748.250	0	99.76	8.11	
6006 PAPA	139	8	755-160	0	100.40 1	8.11	
6006 PAPA	140	8	763.770	0	101.08	8.09	
6006 PAPA	141	8	768.990	0	102.14 1	8.09	
6006 PAPA	145	8	796.690	0	105.20 1		
6006 PAPA	146	8	796-690	0	106.51 1		
6006 PAPA	147	8	807-510	0	106.96		
6007 QUEBEC	132	8	118.070	0	19.57 1		
	133	8	124.870	0	20.88 1		
	134	8	132.200	0	21.99 1		
	135	8	139.160	0	23.16 1		
-	136	8	146.280	0	24.42 1		
	138	8	160.540	0	26.81 1		
	139	8	167.450	0	27.75 1		
	140	8	176-060	0	28.69 1		
6007 QUEBEC	141	8	181-290	0	29.60 1		
	142	8	187.760	0	30.22 1		
6007 QUEBEC		8	201.890	0	31.61 1		
6007 QUEBEC	145	8	208.990	0	32.51 1	_	
	146	8	215.570	0	33.45 1		
6008 ROMEO	126	8	313.690	0	46.01 1		
6008 ROMED	132	8	199-800	0	31.65 1		
6008 ROMED	133	8	206-600	0	33.01 1	,,	
6008 ROMED 6008 ROMED	134	8	213.910	0	33.65 1		
6008 ROMED	135 136	8	220-870	0	34.55 1		
6008 ROMED	137	8	227,980	Ü	35.46 1		
6008 ROMED	136	8	235.010	0	36.39 1		
6008 ROMED	139	8	242.230 249.140	0 0	37.34 1 38.08 1		
6008 ROMED	140	8	257.730	0	38.08 1 38.94 1		
6008 ROMED	141	8	262.950	0	39.56 1		
"	-41	9	2040770	U	370 JU L	8.09	

STA	ATION	SHOT	R	RANGE	T	TIME P	VEL.
NG	NAME			KM.		SEC.	KM/SEC COMMENT
							- 1-
	ROMEO	142	8	269.420	0	40.62 1	8.19
6000	RCMED	143	8	276.640	0	41.31 1	8.20
6008	ROMEO	144	8	283.560	0	42.56 1	8.16
6008	ROMEO	145	8	290.670	0	42.91 1	8.13
6008	ROMEO	147	8	301.440	.)	44.47 1	8.10
6009	SIERRA	132	8	273.410	0	40.76 1	8.13
6009	SIERRA	133	8	280.210	0	41.48 1	8.20
6009	SIERRA	134	8	287.520	0	42.52 1	8.04
6009	SIERRA	135	8	294.490	0	43.55 1	8.08
6009	SIERRA	136	8	301.590	0	44.48 1	8.12
6009	SIERRA	137	6	308.630	0	45.62 1	8.06
6009	SIERRA	138	8	315.850	0	46.37 1	8.11
6009	SIERRA	139	8	322.760	0	46.96 1	8-11
6009			8	331.340	0	47.83 1	8.09
6009		141	8	336.570	0	48.72 1	8.09
6009	SIERRA	142	8	343.040	0	49.28 1	6.19
6009	SIERRA	143	8	350.260	0	50.31 1	8.20
6009		145	8	364.290	0	51.71 1	6.13
6009		146	8	370.880	0	52.92 1	8.04
6009		147	8	375.060	0	53.24 1	6.10
6010		132	8	348.320	0	49.30 1	EARLY
6010		133	8	355.120	0	50.22 1	EARLY
6010		134	8	362-440	0	51.08 4	EARLY
6010		135	8	369.410	0	51.94 1	EARLY
6010	-	136	8	376.520	Ü	52.85 1	EARLY
6010		137	8	383.560	Ō	54.33 1	EARLY
6010		138	8	390.790	Ŏ	54.54 1	EARLY
6010	_	139	8	397.700	ŏ	55.70 1	EARLY
6010		140	8	406.300	ŏ	56.41 1	EARLY
6010		142	8	418.000	ŏ	57.72 1	EARLY
6010		143	6	425.210	ŏ	58,46 1	EARLY
6010		144	8	432.140	ŏ	59.42 1	EARLY
	TANGO	145	ă	439-240	ŏ	60.00 1	EARLY

STATION	SHOT	R	RANGE	1	TIME	P	AET.	COMMENT
NO NAME			KM.		SEC.		KH12FC	COMMENT
1332 BOUY	303	8	54.078	0	11.50	1		
1332 BOUY	304	8	45.572	0	10.30	l		
1332 BOUY	305	8	39.169	0	9.30	1		
1332 BOUY	306	8	31.907	0	8.34	1		
1332 BOUY	307	8	25.387	0	7.30	1		
1332 BOT	308	8	17.043	0	5.59	1		
1332 86.55	309	8	30-055	0	8.05	į	•	
1332 BOUY	310	8	22-156	Ű	6.65	1		
1332 BOUY 1332 BOUY	311 312	8	15.502 7.484	Ó	5.30 3.27	1		
1332 BOUY	314	8	6.610	0	3.04	i		
1332 BOUY	315	8	13-190	Ö	4.75	i		
1332 BOUY	316	8	20.837	ŏ	6.29	i		
1332 BOUY	409	8	3-290	ŏ	1.79	i		
1332 BOUY	410	8	4.031	Ō	2-11	ī		
1332 BOUY	411	A	10.937	0	4.30	l		
1333 BOUY	309	8	33-138	0	8.78	1		
1333 BOUY	310	8	25.179	0	7.38	1		
1333 BOUY	311	8	18.540	0	6.00	1		
1333 BOUY	312	8	10.567	0	4.30	1		
1333 BOUY	313	8	3.512	0	1.88	1		
1333 ROUY	314	8	3.661	0	1.98	1		
1333 BOUY	315	8	10-226	0	4.07	ı		
1333 BOUY	316	8	17-814	0	5.75	į		
1333 BOUY	406	8	20.926	0	6.42	ļ		
1333 BOUY	408	8	12-686	0	4.68	1		
1333 80UY	409	8	6.373 7.943	0	2.97 3.55	1		
1333 BOUY 1333 BOUY	411	8	13.427	0	4.88	i		
1334 BOUY	303	8	65.134	Ö	13.27	i		
1334 BOUY	304	8	56-657	ŏ	12.12	ī		
1334 BUUY	305	8	50.210	ō	11.13	ī		
1334 BOUY	306	8	42.934	ō	10-18	ì		
1334 BOUY	307	8	36.353	0	9.26	1		
1334 BOUY	308	8	27.921	0	7.83	1		
1334 BOUY	309	8	40.903	0	9.90	1		
1334 BOUY	310	8	32.960	0	8.80	1		
1334 BOUY	311	8	26.365	0	7.54	1		
1334 BOUY	312	8	18.466	0	5.88	l		
1334 BOUY	313	8	11.530	0	4.39	1		
1334 BOUY	314	8	4.594	0	2.42	ļ		
1334 BOUY	315	8	2,238	0	1.27	ļ		
1334 BOUY	316	8	9.796	0	4.07 8.04	l		
1334 BOUY 1334 BOUY	406 407	8	28.706 24.171	0	7.09	l l		
1334 BOUY 1334 BOUY	408	8 8	20.555	0	6.24	i		
1334 BOUY	410	8	7-114	0	3.20	i		
1334 BOUY	412	8	5.558	Ö	2.77	i		
1336 BDUY	310	8	5.780	ŏ	2-64	ī		
1336 8GUY	311	8	12.241	ŏ	4.70	-		
		_	-	_				

NORTHERM PROFILES: SEA STATIONS

S	TATION	SHO	T R	RANGE	T	TIME P	VEL.	
NO	NAME			KM.	•			COMMENT
				KITO		SEC.	V41.25C	COMMENT
133	6 80UY	212	0	20 24	_			
		312	8	20.214	0	6.35 1		
	6 BOUY	313	8	27.165	0	7.62 1		
	6 BOUY	314	8	34.190	0	8.79 1		
1330	6 HOUY	315	8	40.903	0	9.78 1		
1336	5 80UY	316	8	48.506	o	11.06 1		
	BOUY	406	8	9.752				
	BOUY	407	8		0	4-10 1		
	80UY			14.450	0	5.15 1		
		408	8	17.932	0	5.87 1		
	BOUY	409	8	24.423	0	7.17 1		
1336		410	8	31.493	Q	3.37 1		
	POUY	411	8	38.517	0	9.43 1		
1356	BOUY	338	8	21.237	0	6.56 l		
1356		340	8	20.511	ō	6.73 1		
1 3 5 6	BOUY	341	8	40.029				
1356		343			0	9.34 1		
	ROUY		8	62.022	0	12.86 1		
		350	8	124.281	0	22.25 1		
	80UY	4.51	8	18.406	0	6.02 1		
1356		462	8	14.998	0	5.37 1		
1356	BOUY	463	8	11.945	0	4.89 1		
1356	BOUY	464	8	8.655	0	3.75 1		
1356	BOUY	465	8	5.572	ŏ	2.83 1		
1356		466	8	3.201	ŏ			
	BOUY	467	8			1.80 1		
	BOUY			3.675	0	2.01 1		
		46B	8	7.573	0	3.49 1		
	BOUY	469	8	11.515	0	4.82 1		
	BOUY	470	8	14.983	0	5.96 1		
	BOUY	471	8	15.724	0	5.47 1		
	BOUY	472	8	24.112	0	7.25 1		
1356	BOUY	473	8	28.232	0	7.84 1		
1356	BOUY	507	8	115.952	ō	21.09 1		
	BOUY	508	8	113.655	Ö			
	BOUY	509	8	111.506				
	DOUY	511			0	20.54 1		
	BOUY		8	99.635	0	18.60 1		
		512	8	97.249	0	18.42 1		
	BOUY	514	8	93.025	0	18.12 1		
	BOUY	515	8	90.802	0	17.68 1		
	BUUA	516	8	88.950	0	17.37 1		
	BOUY	518	8	86.504	0	17.28 1		
1356	HOUY	519	B	89.720	0	17.31 1		
1356	BOUY	520	8	92.951	ŏ			
1356	80UY	522	8	99.264				
1356	ADUY	523	8		0	18.69 1		
1359				102.362	0	19.04 1		
1359		338	8	35.983	0	9.17 1		
		340	8	5.646	0	2.77 1		
1359	DOUT	341	8	24.972	0	7.04 1		
1359	BUUY	343	8	46.920	0	10.46 1		
1359	ROUA	344	8	144.510	0	25.43 1		
1359	BOUY	345	ß	165.139	0	28.10 1		
1359	BOUY	350	8	139.278	ō	24.57 1		
1359	80UY		8	91.543	á	17.53 1		

STATION	SHOT	ĸ	RANGE	T	TIME	P	VEL.
NO NAME			KM.		SEC.		MAY SEG CONNENT
1359 BOUY	355	8	72.159	0	4.70	ı	
1359 BOUY	461	8	33.241	ō	9.02	i	
1359 BUUY	463	8	26.750	0	7.97	1	
1359 BOUY	464	8	23.401	0	7.46	1	
1359 BOUY	465	8	20.204	O	6.70	ı	
1359 BOUY	466	8	17.058	0	6.16	1	
1359 BOUY	467	8	11.234	0	4.77	1	
1359 BORY	468	8	7.321	0	3.35	l	
1359 BOUY	469	8	3.646	0	2.09	1	
1359 80/IY	470	8	1.275	0	0.81	1	
1359 BOUY	472	8	9-114	0	4.02	l	
1359 BOUY	473	R	13.205	0	4.96	ı	
1359 BOUY	474	9	17.325	0	5.97	1	
1359 BOUY	475	8	21.282	0	6.74	1	
1359 BOUY	476	8	27.239	0	7.66	1	
1359 BOUY	477	8	35.538	0	8.89	ļ	
1359 80UY	478	8	39.436 43.971	0	9.49 10.04	l l	
1359 BOUY 135 9 B O UY	479 524	8 8	87.231	0	17,23	i	
1359 BOUY 1359 BOUY	525	8	85.200	Ö	16.74	i	
1359 BOUY	526	8	83.125	Ö	16.42	i	
1359 BOUY	527	8	81.125	ŏ	16.15	i	
1362 BOUY	338	8	65.104	ō	13.89	ī	
1362 BOUY	340	8	106.363	ŏ	19.68	ī	
1362 BOUY	341	8	126.089	ō	22.13	ī	
1362 BOUY	343	8	147.948	0	24.76	1	
1362 80UY	344	8	43.497	0	10.51	1	
1362 80UY	345	8	63.133	0	13.56	1	
1362 BOUY	346	В	85.096	0	17.05	1	
1362 BOUY	346	8	85.096	0	18.14	2	
1162 BOUY	347	8	101.443	0	19.52	1	
1362 BOUY	347	В	101.443	0	20.22	2	
1 162 BOUY	348	8	124.740	0	22.78	1	
1362 BOUY	348	8	124.740	0	23.29	2	
1362 HOUY	349	8	140.731	0	25.27	l	
1362 BOUY	461	R	67.742	0	14.38	1	
1362 BOUY	462	8	70.943	0	14.81	i	
1362 80UY	463	8	74.130	0	15.37	:	
1362 BOUY 1363 BOUY	464 338	8 8	77.227 98.649	0	15.64 18.79	l l	
1363 BOUY 1363 BOUY	340	В	140.153	Ö	24.48	i	
1363 BOUY	341	8	159.819	Ö	26.40	i	
1363 BOUY	342	8	181.308	ŏ	29.09	i	
1363 BOUY	343	8	181.752	ŏ	29.08	i	
1363 BOUY	344	8	9.811	õ	3.95	i	
1353 BOUY	345	8	29.566	Ŏ	8.18	ī	
1 43 BOUY	346	8	51.765	0	11.82	1	
1363 BOUY	347	8	67.713	0	14.77	ī	
1362 8DUY	348	8	90.995	0	19.31	1	
1363 BOUY	349	8	106.986	0	21.08	1	

STATION	fuor -					
NO NAM		RANGE	T	TIME P	VEL.	
1.5	16	KM.		SEC.		COMMENT
1363 BDUY	462 8					
1363 BOUY		104.659	0	19.54 1		
1363 BOUY		107.860	0	20.00 1		
1363 BOUY		110.957	0	20.39 1		
1363 BOUY		117.374	0	21.39 1		
1363 BOLY		123.065	0	22.00 1		
1363 BOUY		127.067	0	23.02 1		
1363 BOUY		130.890	0	23.77 1		
1363 BOUY		15.220	0	5.35 1		
1363 BOUY	481 8 482 8	17.384	0	5.73 1		
1363 BOUY	483 8	19.992	0	6.36 1		
1363 BOUY	484 8	22.289	0	6.87 1		
1363 BOUY	485 8	24.735	0	7.3' 1		
1363 BOUY	486 8	27-121	0	7.73 1		
1363 80UY	488 8	33.389	C	8.66 1		
1363 BOUY	489 A	38.799	0	10.14 1		
1363 BOUY		41-170	0	10.77 1		
1363 BOUY	490 8 491 8	43.571	0	11.20 1		
1363 BOUY	493 8	45.927	0	11.31 1		
1363 BOUY		62.718	0	13.98 į		
1363 BOUY	494 8 496 8	64.897	9	14.30 1		
1363 HOUY	497 8	71.907	ر	15.68 1		
1363 BOUY	500 B	75.893	0	16.10 1		
1365 BOUY	338 8	84.499	0	19.22 1		
1365 BOUY	340 8	148.956	0	24.94 1		
1365 BOUY	341 8	188.451	0	29.47 1	•	
1365 BOUY	342 8	200	0	32.04 1		
1365 8DUY	343 8	224	0	34.48 1		
1366 BOUY	338 8		0	34.56 1		
1366 BOUY	340 8	202	0	27.72 1		
1366 BOUY	341 8	222	0	32.34 1		
1306 ADUY	342 8	215 2	0	34.04 1		
1366 BOUY	343 8		0	36.40 1		
1366 BUUY	344 8	F 2 2))	36.51 1		
1366 BOUY	345 8	34.056		12.01 1		
1366 HOUY	346 B	15.072		8.94 1		
1366 BOUY	347 8	5.068		5.07 1		
1366 80UY	348 8	27.788		2.37 1		
1366 BOUY	349 8	43.600 0		7.87 1		
1300 BOUY	480 8	47-928 0		10.48 1		
1366 BOUY	481 8	45.557 0		11.11 1		
1366 BOUY	482 8	43.185 0		10.77 1		
1366 BOUY	483 8	40.755 0		10.29 1 9.94 1		
1366 BOUY	484 8	38.458 0				
1366 BOUY	485 A	36.087 0				
1366 BOUY	486 8	29.981 0		9.24 1 8.05 1		
1366 BOUY	458 8	25.150 0		7.28 1		
1366 BDUY	489 8	22.808 0		6.86 1		
1366 BOUY	490 8	20.526 0		6.38 1		
1366 BOUY	491 8	18.229 0		5.89 1		

MORTHERN PROFILES: SEA SYATIONS

STATION	SHOT R	t	RANGE	T	TIME	P	VEL.		
NO NAME			KM.		SEC.		KM/SEC	COMMENT	
1366 BOUY	492 8		8.993	0	4.16	_			
1366 BOUY	493 8		5.795	0		ļ			
1366 80UY	494		5.187	0	_	1			
1065 BOUY	496		9.040	0	3.65 4.59	1			
1366 BOUY	497 8		12-923 14-939	0		ì			
1366 BOUY 1366 BOUY	499		18.910	Ö	5.93	_			
1366 80UY	500 8		22.912	Ö	6.83	i			
1366 80UY	501 8		34.071	ō		i			
1366 80UY	502 8		37.835	ō	9.75	_			
1366 80UY	503 8		42.963	Ō	10-27	_			
1366 80UY	504 8		45.423	0	10.86	1			
SOUTHWEST		FOR	ADVANCED	STU	DIES	(GR	ADUATE	RESEARCH	CENTERI
2329 GRCSEA			3.192	0	1.59	1			
2329 GRCSEA		7	5.7\7	0	2.79	1			
2329 GRCSEA		7	12-117	0	4.33	1			
2329 GRCSEA	306	7	19.468	0	5.62	1			
2329 GRCSEA		7	25.928	0	6.86				
2329 GRCSEA		7	34.452	0	8.29	_			
2329 GRCSEA			21.784	0	6.12				
2329 GRCSEA		<u>'</u>	29.536	0	7.54	1			
2329 GRCSEA		7	36.115	0	8.54	1			
2329 GRCSEA		<u>'</u>	44.104	0					
2329 GRCSEA	- - -	<u> </u>	51.143	Ģ	11.18	1			
2329 GRUSEA			58-212	0	12.06	1			
2329 GRCSEA		<u> </u>	64.953	0	13.16	1			
2329 GRCSEA	·		72.646	0	14.48	1			
2330 GRCSEA		! !	10.825 18.681	0	5.86	1			
2330 GRUSEA		7	24.962	Ö	6.92	_			
2330 GRCSEA 2330 GRCSEA		7	33.457	ŏ	8.31	i			
2330 GRCSEA		7	40.451	ŏ	9.39	_			
2330 GRCSEA		7	47.356	0					
2330 GRCSEA	_	7	54.128	ō	11.53				
2330 GRCSEA		7	61.776	0	11.76	ī			
2330 GRCSEA	_	7	74.175	0	14.59	1			
2335 GRCSEA		7	82-699	0	16.09	1			
2335 GRCSEA		7	74.101	0	14.77	1			
2335 GRCSEA		7	67.716	0	13.78	1			
2335 GRCSEA	306	7	60.424	0	12 82	1			
2335 GRCSEA		7	53.994	0	11-91				
2335 GRCSEA		7	45.723	0	10.72	1			
2335 GRCSEA		7	50.014	0	11-40				
2335 GRCSEA		7	35.046	0	9.24	1			
2335 GRCSEA		7	28-111	0	7.87	_			
2335 GRCSEA		<u> </u>	20-849	0	6.33	1			
2335 GRCSEA		<u>'</u>	14.033	0	4.95				
2335 GRCSEA	_		7.053	0	3 - 20	ļ			
2335 GRCSEA			6.192	0	3-28	ļ			
2342 GRCSEA		•	22.453	0	11.37	l		WH	
2342 GRCSEA	320	•	10.216	J	6.88	٤		# 13	

5.1	ATION	SHOT	R	RANGE	T	T1ME	P	VEL.	
NO	NAME			KM.		SEC.			COMMENT
				•					
2342	GRESEA	329	7	45.708	0	14.98	1		
2342	CRESEA	330	7	56.430	0	16.28	1		
2343	GROSEA	327	7	10.899	0	7.34			HW
2343	GRCSEA	329	7	55, 245	0	16.31	1		
2346	GRCSEA	3.21	7	5.628	0	3.79	2		KM
2346	GRCSEA	332	7	7.083	0	4.77	2	•	MA
2346	GRCSEA	333	7	28.675	0	12.30	1		
2346	GRCSEA	334	7	50.816	0	15.39	1		
2346	GRCSEA	3.35	7	72.037	0	18.01	1		
2346	GRCSEA	336	7	82.328	0	19.22	1		
2350	GRCSEA	33 L	7	45.129	0	14.47	1		
2350	GRCSEA	332	7	44.817	0	14.42	1		
2350	GRCSEA	333	7	23.062	0	10.78	1		
2350	GRUSEA	334	7	3.742	0	2.52	2		WW
2350	GRCSEA	335	7	20.537	0	9.56	i		
2350	GRCSEA	336	7	31.081	0	11.40	1		
2350	GRCSEA	337	7	42.545	0	12.65	1		
2353	GRCSEA	333	7	57.855	0	15.69	l		
2353	GRESEA	334	7	35 18	0	12.15	1		
2353	GRCSEA	335	7	14.559	0	7.28	í		
2353	GRCSEA	336	7	3.593	0	2.42	2		WW
2353	GRCSEA	337	7	8.033	0	5.27	1		
2364	GRCSEA	344	7	25.764	0	7.59	1		
2364	GRESEA	345	7	6.608	0	3.34	1		
2364	GRESEA	346	7	18.280	0	5.92	1		
2364	GRESEA	347	7	32.476	0	8.84	1		
	GRESEA	350	7	31.066	0	8.72	1		
2367	GRESEA	350	7	67.522	0	14.19	1		

ST	ATION	SHOT	R	RANGE	T	TIME	P	VEL.	
NO	NAME			KM.	-	SEC.			COMMENT
1105	TIGER	303	8	37.442	0	7.84	1	6.69	
1105	TIGER	304	8	45-101	0		1		NO RECORD
1105	TIGER	305	8	51-015	0	10.04	1	6.92	
1105	TIGER	306	8	57.828	0	11.27	1	6.78	
1105	TIGER	307	8	64.064	0		1		NO RECORD
1105	TIGER	308	8	71.976	0	13.94	1	7.00	
1105	TIGER	309	8	59.618	0	11.84	1	6.69	
1105	TIGER	310	8	67.303	0	13.31	1	6.98	
1105	TIGER	311	8	74.127	0	14.39	1	7.09	
1105	TIGER	312	8	81.451	0	15.72	1	7.25	
1105	TIGER	313	8	88.182	0	16.94	1	7.07	
1105	TIGER	314	8	95.290	G	18.03	1	5.93	
1105	TIGER	315	8	101.799	0	18.88	1	6.76	
1105	TIGER	316	8	109.307	0	20.07	1	7.20	
1105	TIGER	320	8	121.745	0	21.31	1	6.97	
_	TIGER	322	8	249.753	0	50.26	1		S/N POOR
1105	TIGER	323	8	270.306	0		1		S/N VERY POOR
	TIGER	324	8	291.359	0		ì		S/N VERY POOR
	TIGER	326	8	333-191	G		ī		S/N VERY POOR
	TIGEK	327	8	301.519	0		1		S/N VERY POOR
	TIGER	328	8	290.940	ō		ī		S/N VERY POOR
	TIGER	329	8	236.161	ō		ī		S/N VERY POOR
	TIGER	330	8	225.051	ō		i		NO RECORD
	TIGER	331	8	217.855	ō		i		S/N VERY POOR
_	TIGER	332	8	217.222	õ		i		3/N VERY POOR
	TIGER	333	8	174.358	ŏ	33.14	i	7.56	JIN TENT FOON
	TIGER	334	8	171-711	ō	30.15	i	6.60	
	TIGER	335	8	150-218	ŏ	27.32	i	9.43	
	TIGER	336	8	139.350	Ö	24, 78	i	6.82	
	TIGER	337	8	123.078	Ö	24770	i	0.02	MO RECORD
_	TIGER	338	8	112-559	Ö	20.39	i	7.24	TO RECORD
	TIGER	340	J	139.276	9		i	7.71	
	TIGER	341	8	154-423	Õ		i	8.34	
	TIGER	342	8	171.463	Ö		i	9.36	
	TIGER	343	8	171-556	ŏ		i	9.09	
	TIGER	344	8	112.074	ō		i	,,,,	
	TIGER	345	8	118.203	0		i	6.65	
	TIGER	346	8	128.992	Ö		i	5.95	
	TIGER	347	8	145.855	Ö	25.37	i	6.31	
	TIGER	348	8	163.655	0		i	5.Jl	
	TIGER	349	8	177.348	0		i	6.44	
	TIGER	350	8	107.706	Ö		i	6.60	
	TIGER		8	104.529					
	TIGER	353 354	8	101.943	0	19•2≥ 19•Jl	1	6.53 7.50	
	TIGER	355	8	105-229	0	19.34	i	7.06	
	TIGER	356	8	59.317	Ö	17024	i		NO RECORD
	GAMMA	303	8	71.842	0	13.49	i		NO NECURD
	GAMMA	304	8	80.216	0	14.95	i		
	GAMMA	305	8	86.588	0	16.17	ì		
	GAMMA	306	8	93.909	0		i		
2100	VANNA	300	0	730707	J		4		

	TION	SHOT	R	RANGE	T	TIME I	P	VEL.	COMMENT
NO	42.46			KM.		SEC.		KM/ JEL	COMMENT
1406	GAMMA	307	8	160.453	0	18.36	1		
1106	GAMMA	308	8	108.902	0	19.89	1		
1106	GAMMA	309	8	95.926	0	17.78	1		
1106	GAMMA	310	8	103.854	0		1		S/N POOR
1106	GAMMA	311	5	110.428	0	20.)8	1		
1106	GAMMA	312	8	118.462	0	21.40	1		
1106	GAMMA	313	8	125.475	0	22.55	1		
1106	GAMMA	314	8	132.456	0		1		
_	GAMMA	315	8	139-171	0	-	1		. 4
	GAMMA	316	8	146.791	0		1		S/N POOR
	GAMMA	320	8	159.281	0		1		MAY NOT BE 1ST ARR
	GAMMA	322	8	268.154	0		1		55555 545 455V5 455
	GAMMA	323	8	308.605	0	49.00	1		ERROR EST ABOUT 1SEC
	GAMMA	324	8	329.911	0	E4 E0	1		S/N POOR
	GAMMA	326	8	372.176	0	56.50			£ 4N . DOOR
	GAMMA	327	В	240-144	0	51.20	1		S/N POOR
	GAMMA	328	8	329.454	0	_	1		
	GAMMA GAMMA	329 330	8	274.491 263.575	Ö	43.42	i		
	GAMMA	331	8	256.084	Ö		î		S/N POOR
	GAMMA	332	8	255,394	ŏ		i		37 A 7 BOR
	GAMMA	333	8	232.371	ŏ		i		MAY NOT BE 1ST ARR
	GAMMA	334	8	209.583	ŏ	35. /3			MAY NOT BE 1ST ARR
	GAMMA	335	8	187-990	ŏ		ī		MAY NOT BE 1ST ARR
	GAMMA	336	8	177.178	ō		ī		S/N POOR
_	GAMMA	337	8	165.591	Ō	28.26	_		
_	GAMMA	338	8	140.733	Ō	24.16			
	GARPA	340	8	56.826	0		1		NO RECORD
1106	GAMMA.	341	8	167.579	0	27.70	1		
1106	GAHHA	342	8	180.612	0	29.57	1		
1106	GAMMA	343	8	180.505	0	29.76	1		
1106	GAMMA	344	8	159.179	0	27.24	1		
1106	GAMMA	345	8	165.355	0	28.41	1		
	GAMMA	346	8	175.329	0	22.33			
	GAMMA	347	9	191.719	0		1		NO RECORD
	GAMMA	348	8	208.35)	0	34.47			
	GAMMA	349	8	221.400	0	36.51			
	GAMMA	350	8	154.701	0		1		
	GAMMA	353	8	150.170	0	25.98	1		
	GAMMA	354	8	143.694	0	25-11	1		
	GAMMA	355	8	142.765	0		1		
	GAMMA	356	8	78.924	0	15.49	_		
	HOTEL	303	8	103.639	0	18.95	-		
	HOTEL	304 305	8	112.036	0	20.31			
	HOTEL	306	8	118.418 125.744	0		1		
	HOTEL	307	8	132,294	0	23.40			
	HOTEL	308	9	140.742	Ö	_	ì		
	HOTEL	309	8	127.760	õ	22.83	_		
	HOTEL	310	•	135.696	ō	24.00			

1107 HOTEL 311	STATION NO NAME	SHOT	R	RANGE KM.	T	TIME SEC.	P	VEL. KM/SEC	COMMENT
1107 HOTEL 312 8 150-312 0 26-20 1 1107 HOTEL 313 9 157-324 0 27-35 2 FIRST ARR NOT CLEAR 1107 HOTEL 314 8 164-313 0 28-32 2 FIRST ARR NOT CLEAR 1107 HOTEL 315 8 171-028 0 29-20 2 FIRST ARR NOT CLEAR 1107 HOTEL 315 8 171-028 0 29-20 2 FIRST ARR NOT CLEAR 1107 HOTEL 320 8 191-142 0 32-25 2 FIRST ARR NOT CLEAR 1107 HOTEL 322 8 340-464 0 1 5/N RATIO VERY POOR 1107 HOTEL 324 8 340-464 0 1 5/N RATIO VERY POOR 1107 HOTEL 324 8 340-464 0 1 5/N RATIO VERY POOR 1107 HOTEL 326 8 404-038 0 1 5/N RATIO VERY POOR 1107 HOTEL 326 8 361-355 0 1 5/N RATIO VERY POOR 1107 HOTEL 327 8 346-355 0 1 5/N RATIO VERY POOR 1107 HOTEL 331 8 287-945 0 1 5/N RATIO VERY POOR 1107 HOTEL 331 8 287-945 0 1 5/N RATIO VERY POOR 1107 HOTEL 332 8 287-255 0 1 5/N RATIO VERY POOR 1107 HOTEL 333 8 264-232 0 1 5/N RATIO VERY POOR 1107 HOTEL 334 8 241-445 0 40-66 2 FIRST ARR NOT CLEAR 1107 HOTEL 336 8 209-039 0 35-08 2 FIRST ARR NOT CLEAR 1107 HOTEL 336 8 209-039 0 35-08 2 FIRST ARR NOT CLEAR 1107 HOTEL 336 8 209-039 0 35-08 2 FIRST ARR NOT CLEAR 1107 HOTEL 346 8 189-4950 0 31-11 1 1 1 1 1 1 1 1 1		•••	_						
107 HOTEL 313 8 157.324 0 27.35 2 FIRST ARR NOT CLEAR 107 HOTEL 314 8 164.313 0 28.32 2 FIRST ARR NOT CLEAR 1107 HOTEL 316 8 178.669 0 29.20 2 FIRST ARR NOT CLEAR 1107 HOTEL 316 8 178.669 0 32.25 2 FIRST ARR NOT CLEAR 1107 HOTEL 320 8 320.015 0 1 5/N RATIO VERY POOR 1107 HOTEL 322 8 340.464 0 1 5/N RATIO VERY POOR 1107 HOTEL 324 8 361.772 0 1 5/N RATIO VERY POOR 1107 HOTEL 326 8 404.038 0 1 5/N RATIO VERY POOR 1107 HOTEL 326 8 361.355 0 1 5/N RATIO VERY POOR 1107 HOTEL 328 8 361.355 0 1 5/N RATIO VERY POOR 1107 HOTEL 328 8 361.355 0 1 5/N RATIO VERY POOR 1107 HOTEL 328 8 361.355 0 1 5/N RATIO VERY POOR 1107 HOTEL 330 8 295.390 0 1 5/N RATIO VERY POOR 1107 HOTEL 331 8 287.955 0 1 5/N RATIO VERY POOR 1107 HOTEL 333 8 264.232 0 1 5/N RATIO VERY POOR 1107 HOTEL 333 8 264.232 0 1 5/N RATIO VERY POOR 1107 HOTEL 335 8 219.851 0 35.39 2 FIRST ARR NOT CLEAR 1107 HOTEL 336 8 209.039 0 35.08 2 FIRST ARR NOT CLEAR 1107 HOTEL 336 8 209.039 0 35.08 2 FIRST ARR NOT CLEAR 1107 HOTEL 340 8 185.672 0 30.12 1 1107 HOTEL 344 8 194.950 0 31.11 1 1 1 1 1 1 1 1 1			-				_		
107 HOTEL 314 8					-				EIRT ARE MOT CLEAR
107 HOTEL 315 8									
1107 HOTEL 316 8 178.649 0 28.99 2 FIRST ARR NOT CLEAR 1107 HOTEL 320 8 320.015 0 1 S/N RATIO VERY POOR 1107 HOTEL 323 8 340.464 0 1 S/N RATIO VERY POOR 1107 HOTEL 324 8 361.772 0 1 S/N RATIO VERY POOR 1107 HOTEL 326 8 404.038 0 1 S/N RATIO VERY POOR 1107 HOTEL 326 8 361.355 0 1 S/N RATIO VERY POOR 1107 HOTEL 328 9 361.355 0 1 S/N RATIO VERY POOR 1107 HOTEL 329 8 306.353 0 1 S/N RATIO VERY POOR 1107 HOTEL 330 8 287.945 0 1 S/N RATIO VERY POOR 1107 HOTEL 331 8 287.945 0 1 S/N RATIO VERY POOR 1107 HOTEL 332 8 287.945 0 1 S/N RATIO VERY POOR 1107 HOTEL 333 8 287.945 0 1 S/N RATIO VERY POOR 1107 HOTEL 333 8 287.945 0 1 S/N RATIO VERY POOR 1107 HOTEL 333 8 241.445 0 40.66 2 FIRST ARR NOT CLEAR 1107 HOTEL 336 8 241.945 0 35.39 2 FIRST ARR NOT CLEAR 1107 HOTEL 336 8 209.039 0 35.08 2 FIRST ARR NOT CLEAR 1107 HOTEL 340 8 185.677 0 30.12 1 1 1 1 1 1 1 1 1			_		-				
1107 HOTEL 320	•				-				
1107 HOTEL 322 8 320.015 0 1 S/N RATIO VERY POOR 1107 HOTEL 324 8 340.464 0 1 S/N RATIO VERY POOR 1107 HOTEL 326 8 404.038 J 1 S/N RATIO VERY POOR 1107 HOTEL 326 8 404.038 J 1 S/N RATIO VERY POOR 1107 HOTEL 328 9 361.355 0 1 S/N RATIO VERY POOR 1107 HOTEL 329 8 306.355 0 1 S/N RATIO VERY POOR 1107 HOTEL 329 8 306.355 0 1 S/N RATIO VERY POOR 1107 HOTEL 330 8 287.945 0 1 S/N RATIO VERY POOR 1107 HOTEL 331 8 287.955 0 1 S/N RATIO VERY POOR 1107 HOTEL 332 8 287.255 0 1 S/N RATIO VERY POOR 1107 HOTEL 333 8 241.445 0 40.66 2 FIRST ART NOT CLEAR 1107 HOTEL 335 8 219.851 0 35.39 2 FIRST ART NOT CLEAR 1107 HOTEL 336 8 209.039 0 35.08 2 FIRST ART NOT CLEAR 1107 HOTEL 336 8 209.039 0 35.08 2 FIRST ART NOT CLEAR 1107 HOTEL 336 8 171.948 0 28.03 1 1107 HOTEL 340 8 185.677 0 30.12 1 1107 HOTEL 344 8 194.950 0 31.11 1 1 1 1 1 1 1 1 1									
107 HOTEL 323 8 340.464 0 1 S/N RATIO VERY POOR 107 HOTEL 326 8 404.038 0 1 S/N RATIO VERY POOR 107 HOTEL 326 8 404.038 0 1 S/N RATIO VERY POOR 107 HOTEL 327 8 372.005 0 1 S/N RATIO VERY POOR 107 HOTEL 328 3 361.355 0 1 S/N RATIO VERY POOR 107 HOTEL 329 8 306.353 0 1 S/N RATIO VERY POOR 107 HOTEL 330 8 295.390 0 1 S/N RATIO VERY POOR 107 HOTEL 333 8 267.945 0 1 S/N RATIO VERY POOR 107 HOTEL 333 8 267.945 0 1 S/N RATIO VERY POOR 107 HOTEL 334 8 241.445 0 40.66 2 FIRST ARN NOT CLEAR 107 HOTEL 336 8 219.851 0 35.39 2 FIRST ARN NOT CLEAR 107 HOTEL 336 8 219.851 0 35.39 2 FIRST ARN NOT CLEAR 107 HOTEL 336 8 209.039 0 35.08 2 FIRST ARN NOT CLEAR 107 HOTEL 336 8 171.948 0 28.03 1 107 HOTEL 344 8 194.950 0 31.11 1 107 HOTEL 345 8 206.185 0 32.55 1 107 HOTEL 346 8 206.185 0 32.55 1 107 HOTEL 346 8 200.132 0 33.48 1 107 HOTEL 347 8 215.607 0 35.92 1 107 HOTEL 346 8 200.132 0 33.48 1 107 HOTEL 346 8 200.132 0 33.48 1 107 HOTEL 356 8 183.552 0 31.04 1 107 HOTEL 356 8 175.213 0 29.84 1 107 HOTEL 356 8 175.213 0 29.84 1 107 HOTEL 356 8 176.422 0 30.08 1 108 CHARLY 303 8 181.849 0 30.08 1 108 CHARLY 309 8 219.030 0 33.76 1 108 CHARLY 309 8 219.030 0 33.76 1 108 CHARLY 309 8 219.030 0 33.76 1 108 CHARLY 310 8 220.6057 0 35.34 1 108 CHARLY 311 8 220.6057 0 35.34 1 108 CHARLY 313 8 220.6057 0 35.34 1 108 CHARLY 313 8 220.6057 0 35.34 1 108 CHARLY 313 8 220.6057 0 35.34 1 108 CHARLY			-		-	32.23			
1107 HOTEL 324 8 361.772 0 1 S/M RATIO VERY POOR 1107 HOTEL 327 8 372.005 0 1 S/N RATIO VERY POOR 1107 HOTEL 328 8 361.355 0 1 S/N RATIO VERY POOR 1107 HOTEL 328 8 361.355 0 1 S/N RATIO VERY POOR 1107 HOTEL 330 8 295.390 0 1 S/N RATIO VERY POOR 1107 HOTEL 331 8 287.945 0 1 S/N RATIO VERY POOR 1107 HOTEL 331 8 287.255 0 1 S/N RATIO VERY POOR 1107 HOTEL 333 8 264.232 0 1 S/N RATIO VERY POOR 1107 HOTEL 334 8 241.445 0 40.66 2 FIRST ARR NOT CLEAR 1107 HOTEL 336 8 209.039 0 35.08 2 FIRST ARR NOT CLEAR 1107 HOTEL 336 8 209.039 0 35.08 2 FIRST ARR NOT CLEAR 1107 HOTEL 340 8 185.672 0 30.12 1 1 1 1 1 1 1 1 1									
1107 HOTEL 326 8 404.038 J 1 S/N RATIO JERY POOR 1107 HOTEL 327 8 372.005 0 1 S/N RATIO JERY POOR 1107 HOTEL 328 8 361.355 0 1 S/N RATIO JERY POOR 1107 HOTEL 329 8 306.353 0 1 S/N RATIO JERY POOR 1107 HOTEL 330 8 295.390 0 1 S/N RATIO JERY POOR 1107 HOTEL 331 8 287.945 0 1 S/N RATIO JERY POOR 1107 HOTEL 332 8 287.945 0 1 S/N RATIO JERY POOR 1107 HOTEL 332 8 287.945 0 1 S/N RATIO JERY POOR 1107 HOTEL 333 8 264.232 0 1 S/N RATIO JERY POOR 1107 HOTEL 334 8 241.445 0 40.66 2 FIRST ARR NOT CLEAR 1107 HOTEL 335 8 219.851 0 35.39 2 FIRST ARR NOT CLEAR 1107 HOTEL 336 8 209.039 0 35.08 2 FIRST ARR NOT CLEAR 1107 HOTEL 337 8 197.453 0 33.13 2 FIRST ARR NOT CLEAR 1107 HOTEL 340 8 185.672 0 30.12 1 1107 HOTEL 340 8 185.672 0 30.12 1 1107 HOTEL 344 8 194.950 0 31.11 1 1107 HOTEL 344 8 194.950 0 31.11 1 1107 HOTEL 346 8 206.365 0 32.54 1 1107 HOTEL 346 8 206.365 0 32.54 1 1107 HOTEL 346 8 206.365 0 32.54 1 1107 HOTEL 346 8 200.132 0 33.48 1 1107 HOTEL 346 8 200.132 0 33.48 1 1107 HOTEL 347 8 215.607 0 35.92 1 1107 HOTEL 348 8 226.611 0 39.97 1 1107 HOTEL 350 8 183.552 0 31.04 1 1107 HOTEL 353 8 180.442 0 30.62 1 1107 HOTEL 354 8 175.213 0 29.84 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1106 CHARLY 303 8 181.849 0 30.08 1 111 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			_		_		_		
1107 HOTEL 327 8 372.005 0 1 S/M RATIO VERY POOR 1107 HOTEL 328 8 306.355 0 1 S/M RATIO VERY POOR 107 HOTEL 330 8 295.390 0 1 S/M RATIO VERY POOR 107 HOTEL 331 8 287.945 0 1 S/M RATIO VERY POOR 107 HOTEL 332 8 287.255 0 1 S/M RATIO VERY POOR 107 HOTEL 332 8 287.255 0 1 S/M RATIO VERY POOR 107 HOTEL 333 8 264.232 0 1 S/M RATIO VERY POOR 107 HOTEL 334 8 241.445 0 40.66 2 FIRST ART NOT CLEAR 1107 HOTEL 335 8 219.851 0 35.39 2 FIRST ARR NOT CLEAR 1107 HOTEL 336 8 209.039 0 35.08 2 FIRST ARR NOT CLEAR 1107 HOTEL 336 8 171.948 0 28.03 1 1107 HOTEL 340 8 185.672 0 30.12 1 1 1 1 1 1 1 1 1	-								
1107 HOTEL 328 9 361-355 0 1 S/N RATIO VERY POOR 1107 HOTEL 330 8 295-390 0 1 S/N RATIO VERY POOR 1107 HOTEL 331 8 287-945 0 1 S/N RATIO VERY POOR 1107 HOTEL 332 8 287-255 0 1 S/N RATIO VERY POOR 1107 HOTEL 333 8 264-232 0 1 S/N RATIO VERY POOR 1107 HOTEL 333 8 264-232 0 1 S/N RATIO VERY POOR 1107 HOTEL 334 8 241-445 0 40.66 2 FIRST ARR NOT CLEAR 1107 HOTEL 335 8 219-851 0 35-39 2 FIRST ARR NOT CLEAR 1107 HOTEL 336 8 209-039 0 35-08 2 FIRST ARR NOT CLEAR 1107 HOTEL 336 8 209-039 0 35-08 2 FIRST ARR NOT CLEAR 1107 HOTEL 340 8 185-677 0 30-12 1 1 1 1 1 1 1 1 1									
1107 HOTEL 329 8 306-353 0 1 S/N RATIO VERY POOR 1107 HOTEL 331 8 295-390 0 1 S/N RATIO VERY POOR 1107 HOTEL 331 8 287-945 0 1 S/N RATIO VERY POOR 1107 HOTEL 332 8 264-232 0 1 S/N RATIO VERY POOR 1107 HOTEL 334 8 241-445 0 40.66 2 FIRST ARR NOT CLEAR 1107 HOTEL 335 8 219-851 0 35-39 2 FIRST ARR NOT CLEAR 1107 HOTEL 336 8 209-039 0 35-08 2 FIRST ARR NOT CLEAR 1107 HOTEL 338 8 171-948 0 28-03 1 1107 HOTEL 340 8 185-672 0 30-12 1 1 1 1 1 1 1 1 1									
1107 HOTEL 330 8 295.390 0					-				
1107 HOTEL 331 8 287.945 0 1 S/N RATIO VERY POOR 1107 HOTEL 332 8 287.255 0 1 S/N RATIO VERY POOR 1107 HOTEL 333 8 264.232 U 1 S/N RATIO VERY POOR 1107 HOTEL 334 8 241.445 0 40.66 2 FIRST ARA NOT CLEAR 1107 HOTEL 335 8 219.851 0 35.39 2 FIRST ARA NOT CLEAR 1107 HOTEL 336 8 209.039 0 35.08 2 FIRST ARA NOT CLEAR 1107 HOTEL 337 8 197.453 0 33.13 2 FIRST ARA NOT CLEAR 1107 HOTEL 338 8 171.948 0 28.03 1 1007 HOTEL 340 8 185.672 0 30.12 1 1107 HOTEL 340 8 185.672 0 30.12 1 1107 HOTEL 341 8 194.950 0 31.11 1 1 1007 HOTEL 343 8 206.365 0 32.54 1 1107 HOTEL 343 8 206.365 0 32.54 1 1107 HOTEL 344 8 197.475 0 31.60 1 1 1007 HOTEL 346 8 200.185 0 32.54 1 1107 HOTEL 346 8 200.132 0 33.48 1 1107 HOTEL 346 8 200.494 0 37.10 1 1 1007 HOTEL 348 8 230.494 0 37.10 1 1 1007 HOTEL 350 8 183.552 0 31.04 1 1107 HOTEL 353 8 180.442 0 30.62 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 350 8 180.9895 0 1 NO RECORD 110 HOTEL 350 8 180.9895 0 1 NO RECORD 110 HARLY 303 8 181.849 0 30.08 1 110 HARLY 303 8 181.849 0 30.08 1 110 HARLY 303 8 181.849 0 30.08 1 1108 CHARLY 306 8 204.045 0 32.08 1 1008 CHARLY 307 8 219.030 0 33.76 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 310 8 214.015 0 33.26 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 228.655 0 39.11 2 FIRST ARR NOT ELEAR									
1107 HOTEL 332 8 287.255 0 1 S/N RATIO VERY POOR 1107 HOTEL 333 8 264.232 U 1 S/N RATIO VERY POOR 1107 HOTEL 334 8 241.445 0 40.66 2 FIRST ARR NOT CLEAR 1107 HOTEL 335 8 219.851 0 35.39 2 FIRST ARR NOT CLEAR 1107 HOTEL 336 8 209.039 0 35.08 2 FIRST ARR NOT CLEAR 1107 HOTEL 337 8 197.453 0 33.13 2 FIRST ARR NOT CLEAR 1107 HOTEL 338 8 171.948 0 28.03 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			-						
1107 HOTEL 333 8 264.232 0 1 S/N RATIO VERY POOR 1107 HOTEL 334 8 241.445 0 40.66 2 FIRST ARR NOT CLEAR 1107 HOTEL 335 8 219.851 0 35.39 2 FIRST ARR NOT CLEAR 1107 HOTEL 336 8 209.039 0 35.08 2 FIRST ARR NOT CLEAR 1107 HOTEL 337 8 197.453 0 33.13 2 FIRST ARR NOT CLEAR 1107 HOTEL 340 8 185.672 0 30.12 1 1107 HOTEL 340 8 185.672 0 30.12 1 1107 HOTEL 342 8 206.365 0 32.54 1 1107 HOTEL 344 8 187.745 0 31.60 1 1107 HOTEL 344 8 187.745 0 31.60 1 1107 HOTEL 345 8 192.203 0 32.47 1 1107 HOTEL 346 8 200.132 0 33.48 1 1107 HOTEL 347 8 215.607 0 35.92 1 1107 HOTEL 349 8 242.611 0 39.97 1 1107 HOTEL 350 8 183.552 0 31.04 1 1107 HOTEL 353 8 180.442 0 30.62 1 1107 HOTEL 353 8 180.442 0 30.62 1 1107 HOTEL 354 8 175.213 0 29.84 1 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 JHARLY 303 8 181.849 0 30.08 1 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1108 JHARLY 305 8 196.712 0 31.27 1 1108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR FIRST AR									
1107 HOTEL 334 8 241.445 0 40.66 2 FIRST ARR NOT CLEAR 1107 HOTEL 335 8 219.851 0 35.39 2 FIRST ARR NOT CLEAR 1107 HOTEL 336 8 209.039 0 35.08 2 FIRST ARR NOT CLEAR 1107 HOTEL 337 8 197.453 0 33.13 2 FIRST ARR NOT CLEAR 1107 HOTEL 340 8 185.672 0 30.12 1 1107 HOTEL 341 8 194.950 0 31.11 1 1107 HOTEL 342 8 206.365 0 32.54 1 1107 HOTEL 343 8 206.185 0 32.54 1 1107 HOTEL 344 8 187.745 0 31.60 1 1107 HOTEL 345 8 192.203 0 32.47 1 1107 HOTEL 346 8 200.132 0 33.48 1 1107 HOTEL 347 8 215.607 0 35.92 1 1107 HOTEL 348 8 230.494 0 37.10 1 1107 HOTEL 349 8 242.611 0 39.97 1 1107 HOTEL 353 8 180.442 0 30.62 1 1107 HOTEL 355 8 175.213 0 29.84 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1106 JARRY 305 8 196.712 0 31.27 1 1108 CHARLY 306 8 204.045 0 32.08 1 1108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 310 8 219.030 0 33.76 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 312 8 228.655 0 39.11 2 FIRST ARR NOT SLEAR							_		
1107 HOTEL 335 8 219.851 0 35.39 2 FIRST ARR NOT CLEAR 1107 HOTEL 336 8 209.039 0 35.08 2 FIRST ARR NOT CLEAR 1107 HOTEL 337 8 197.453 0 33.13 2 FIRST ARR NOT CLEAR 1107 HOTEL 338 8 171.948 0 28.03 1 1107 HOTEL 340 8 185.677 0 30.12 1 1107 HOTEL 341 8 194.950 0 31.11 1 1107 HOTEL 342 8 206.365 0 32.54 1 1107 HOTEL 343 8 206.185 0 32.54 1 1107 HOTEL 344 8 187.745 0 31.60 1 1107 HOTEL 346 8 187.745 0 31.60 1 1107 HOTEL 346 8 200.132 0 32.47 1 1107 HOTEL 346 8 200.132 0 33.48 1 1107 HOTEL 348 8 230.494 0 37.10 1 1107 HOTEL 348 8 230.494 0 37.10 1 1107 HOTEL 350 8 183.552 0 31.04 1 1107 HOTEL 353 8 180.442 0 30.62 1 1107 HOTEL 354 8 175.213 0 29.84 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 JARRLY 303 8 181.849 0 30.08 1 117 JARRLY 305 8 196.712 0 31.27 1 1108 CHARLY 306 8 204.065 0 32.08 1 1108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 310 8 214.015 0 33.26 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 220.709 0 35.34 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR 1108 CHARLY 313 8 235.655 0 39.11 2 FIR						40 44			
1107 HOTEL 336 8 209.039 0 35.08 2 FIRST ARR NOT CLEAR 1107 HOTEL 337 8 197.453 0 33.13 2 FIRST ARR NOT CLEAR 1107 HOTEL 340 8 185.672 0 30.12 1 1107 HOTEL 341 8 194.950 0 31.11 1 1 1107 HOTEL 342 8 206.365 0 32.54 1 1107 HOTEL 343 8 206.185 0 32.54 1 1107 HOTEL 344 8 187.745 0 31.60 1 1107 HOTEL 345 8 192.203 0 32.47 1 1107 HOTEL 346 8 200.132 0 33.48 1 1107 HOTEL 346 8 200.132 0 33.48 1 1107 HOTEL 348 8 230.494 0 37.10 1 1107 HOTEL 348 8 230.494 0 37.10 1 1107 HOTEL 350 8 183.552 0 31.04 1 1107 HOTEL 353 8 180.442 0 30.62 1 1107 HOTEL 354 8 175.213 0 29.84 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 HARLY 303 8 181.849 0 30.08 1 117 HARLY 304 8 190.304 0 30.10 1 1108 CHARLY 305 8 196.712 0 31.27 1 1108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 308 8 219.030 0 33.26 1 1108 CHARLY 311 8 220.709 0 34.05 1 108 CHARLY 311 8 220.709 0 35.34 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR 100 CHARLY 313 8 235.655 0 39.11 2									
1107 HOTEL 337 8 197.453 0 33.13 2 FIRST ARR NOT CLEAR 1107 HOTEL 338 8 171.948 0 28.03 1 1107 HOTEL 340 8 185.672 0 30.12 1 1107 HOTEL 341 8 194.950 0 31.11 1 1107 HOTEL 342 8 206.365 0 32.54 1 1107 HOTEL 343 8 206.185 0 32.54 1 1107 HOTEL 344 8 187.745 0 31.60 1 1107 HOTEL 345 8 192.203 0 32.47 1 1107 HOTEL 346 8 200.132 0 33.48 1 1107 HOTEL 346 8 230.494 0 37.10 1 1107 HOTEL 348 8 230.494 0 37.10 1 1107 HOTEL 350 8 183.552 0 31.04 1 1107 HOTEL 353 8 180.442 0 30.62 1 1107 HOTEL 355 8 174.521 0 29.84 1 1107 HOTEL 356 8 109.895 0 1 1107 HOTEL 356 8 109.895 0 1 1107 HOTEL 356 8 190.304 0 30.10 1 1108 CHARLY 305 8 196.712 0 31.27 1 1108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR			_		-				
1107 HOTEL 348 8 185.672 0 30.12 1 1107 HOTEL 341 8 194.950 0 31.11 1 1107 HOTEL 342 8 206.365 0 32.54 1 1107 HOTEL 343 8 206.185 0 32.54 1 1107 HOTEL 344 8 187.745 0 31.60 1 1107 HOTEL 345 8 192.203 0 32.47 1 1307 HOTEL 346 8 200.132 0 33.48 1 1107 HOTEL 347 8 215.607 0 35.92 1 1107 HOTEL 348 8 230.494 0 37.10 1 1107 HOTEL 348 8 230.494 0 37.10 1 1107 HOTEL 350 8 183.552 0 31.04 1 1107 HOTEL 353 8 180.442 0 30.62 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 JARRLY 303 8 181.849 0 30.08 1 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1106 JARRLY 305 8 196.712 0 31.27 1 1108 CHARLY 306 8 204.045 0 32.08 1 1108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR									
1107 HOTEL 340 8 185.677 0 30.12 1 1107 HOTEL 341 8 194.950 0 31.11 1 1107 HOTEL 342 8 206.365 0 32.54 1 1107 HOTEL 343 8 206.185 0 32.54 1 1107 HOTEL 344 8 187.745 0 31.60 1 1107 HOTEL 346 8 192.203 0 32.47 1 1107 HOTEL 346 8 200.132 0 33.48 1 1107 HOTEL 347 8 215.607 0 35.92 1 1107 HOTEL 348 8 230.494 0 37.10 1 1107 HOTEL 349 8 242.611 0 39.97 1 1107 HOTEL 350 8 183.552 0 31.04 1 1107 HOTEL 353 8 180.442 0 30.62 1 1107 HOTEL 354 8 175.213 0 29.84 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 HOTEL 356 8 190.304 0 30.10 1 1108 CHARLY 303 8 181.849 0 30.08 1 110 HARLY 304 8 190.304 0 30.10 1 1108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 310 8 214.015 0 33.26 1 1108 CHARLY 311 8 228.657 0 35.34 1 1108 CHARLY 312 8 228.657 0 35.34 1			-		-				FIRST ARK MUT CLEAK
1107 HOTEL 341 8 194.950 0 31.11 1 1107 HOTEL 342 8 206.365 0 32.54 1 1107 HOTEL 343 8 206.185 0 32.54 1 1107 HOTEL 344 8 187.745 0 31.60 1 1107 HOTEL 345 8 192.203 0 32.47 1 1107 HOTEL 346 8 200.132 0 33.48 1 1107 HOTEL 347 8 215.607 0 35.92 1 1107 HOTEL 349 8 242.611 0 39.97 1 1107 HOTEL 349 8 242.611 0 39.97 1 1107 HOTEL 350 8 183.552 0 31.04 1 1107 HOTEL 353 8 180.442 0 30.62 1 1107 HOTEL 354 8 175.213 0 29.84 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 HOTEL 350 8 181.849 0 30.08 1 1107 HOTEL 350 8 196.712 0 31.27 1 1108 CHARLY 305 8 196.712 0 31.27 1 1108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 310 8 214.015 0 33.26 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1				_					
1107 HOTEL 342 8 206.365 0 32.54 1 1107 HOTEL 343 8 206.185 0 32.54 1 1107 HOTEL 344 8 187.745 0 31.60 1 1107 HOTEL 345 8 192.203 0 32.47 1 1107 HOTEL 346 8 200.132 0 33.48 1 1107 HOTEL 347 8 215.607 0 35.92 1 1107 HOTEL 348 8 230.494 0 37.10 1 1107 HOTEL 349 8 242.611 0 39.97 1 1107 HOTEL 350 8 183.552 0 31.04 1 1107 HOTEL 353 8 180.442 0 30.62 1 1107 HOTEL 354 8 175.213 0 29.84 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 HOTEL 350 8 181.849 0 30.08 1 117 YARLY 303 8 181.849 0 30.08 1 117 YARLY 305 8 196.712 0 31.27 1 1108 CHARLY 306 8 204.045 0 32.08 1 1108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 310 8 214.015 0 33.26 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1	_			_			_		
1107 HOTEL 343 8 187.745 0 31.60 1 1107 HOTEL 344 8 187.745 0 31.60 1 1107 HOTEL 345 8 192.203 0 32.47 1 1307 HOTEL 346 8 200.132 0 33.48 1 1107 HOTEL 347 8 215.607 0 35.92 1 1107 HOTEL 348 8 230.494 0 37.10 1 1107 HOTEL 349 8 242.611 0 39.97 1 1107 HOTEL 350 8 183.552 0 31.04 1 1107 HOTEL 353 8 180.442 0 30.62 1 1107 HOTEL 354 8 175.213 0 29.84 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 HOTEL 300 8 181.849 0 30.08 1 1107 HOTEL 300 8 196.712 0 31.27 1 1108 CHARLY 305 8 196.712 0 31.27 1 1108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 310 8 214.015 0 33.26 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR									
1107 HOTEL 344 8 187.745 0 31.60 1 1107 HOTEL 345 8 192.203 0 32.47 1 1107 HOTEL 346 8 200.132 0 33.48 1 1107 HOTEL 347 8 215.607 0 35.92 1 1107 HOTEL 348 8 230.494 0 37.10 1 1107 HOTEL 349 8 242.611 0 39.97 1 1107 HOTEL 350 8 183.552 0 31.04 1 1107 HOTEL 353 8 180.442 0 30.62 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 HOTEL 303 8 181.849 0 30.08 1 117 MARLY 303 8 181.849 0 30.08 1 117 MARLY 305 8 196.712 0 31.27 1 1108 CHARLY 306 8 204.045 0 32.08 1 1108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 318 8 220.709 0 34.05 1 1108 CHARLY 318 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR									
1107 HOTEL 345 8 192.203 0 32.47 1 1107 HOTEL 346 8 200.132 0 33.48 1 1107 HOTEL 347 8 215.607 0 35.92 1 1107 HOTEL 348 8 230.494 0 37.10 1 1107 HOTEL 350 8 183.552 0 31.04 1 1107 HOTEL 353 8 180.442 0 30.62 1 1107 HOTEL 354 8 175.213 0 29.84 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 HARLY 303 8 181.849 0 30.08 1 117 HARLY 304 8 190.304 0 30.10 1 1108 CHARLY 305 8 204.045 0 32.08 1 1108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 310 8 214.015 0 33.26 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR					-		-		
1307 HOTEL 346 8 200.132 0 33.48 1 1107 HOTEL 347 8 215.607 0 35.92 1 1107 HOTEL 348 8 230.494 0 37.10 1 1107 HOTEL 349 8 242.611 0 39.97 1 1107 HOTEL 350 8 183.552 0 31.04 1 1107 HOTEL 353 8 180.442 0 30.62 1 1107 HOTEL 354 8 175.213 0 29.84 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 JHARLY 303 8 181.849 0 30.08 1 117 HARLY 304 8 190.304 0 30.10 1 1108 HARLY 305 8 196.712 0 31.27 1 1108 CHARLY 306 8 204.045 0 32.08 1 1108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 310 8 214.015 0 33.26 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR									
1107 HOTEL 347 8 215.607 0 35.92 1 1107 HOTEL 348 8 230.494 0 37.10 1 1107 HOTEL 349 8 242.611 0 39.97 1 1107 HOTEL 350 8 183.552 0 31.04 1 1107 HOTEL 353 8 180.442 0 30.62 1 1107 HOTEL 354 8 175.213 0 29.84 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 LHARLY 303 8 181.849 0 30.08 1 117 HARLY 304 8 190.304 0 30.10 1 1108 HARLY 305 8 196.712 0 31.27 1 1108 CHARLY 306 8 204.045 0 32.08 1 1108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 310 8 214.015 0 33.26 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR			-			_			
1107 HOTEL 348 8 230.494 0 37.10 1 1107 HOTEL 349 8 242.611 0 39.97 1 1107 HOTEL 350 8 183.552 0 31.04 1 1107 HOTEL 353 8 180.442 0 30.62 1 1107 HOTEL 354 8 175.213 0 29.84 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 LHARLY 303 8 181.849 0 30.08 1 117 HARLY 304 8 190.304 0 30.10 1 1108 HARLY 305 8 196.712 0 31.27 1 1108 CHARLY 306 8 204.045 0 32.08 1 1108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 310 8 214.015 0 33.26 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR			_		-		_		
1107 HOTEL 349 8 242.611 0 39.97 1 1107 HOTEL 350 8 183.552 0 31.04 1 1107 HOTEL 353 8 180.442 0 30.62 1 1107 HOTEL 354 8 175.213 0 29.84 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 HARLY 303 8 181.849 0 30.08 1 117 HARLY 304 8 190.304 0 30.10 1 1108 HARLY 305 8 196.712 0 31.27 1 1108 CHARLY 306 8 204.045 0 32.08 1 1108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 310 8 214.015 0 33.26 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR									
1107 HOTEL 350 8 183.552 0 31.04 1 1107 HOTEL 353 8 180.442 0 30.62 1 1107 HOTEL 354 8 175.213 0 29.84 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 HARLY 303 8 181.849 0 30.08 1 117 HARLY 304 8 190.304 0 30.10 1 1108 HARLY 305 8 196.712 0 31.27 1 1108 CHARLY 306 8 204.045 0 32.08 1 1108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 310 8 214.015 0 33.26 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR					-		_		
1107 HOTEL 353 8 180.442 0 30.62 1 1107 HOTEL 354 8 175.213 0 29.84 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 JHARLY 303 8 181.849 0 30.08 1 117 HARLY 304 8 190.304 0 30.10 1 1108 JHARLY 305 8 196.712 0 31.27 1 1108 JHARLY 306 8 204.045 0 32.08 1 1108 JHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 310 8 214.015 0 33.26 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR									
1107 HOTEL 354 8 175.213 0 29.84 1 1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 JHARLY 303 8 181.849 0 30.08 1 117 HARLY 304 8 190.304 0 30.10 1 1108 HARLY 305 8 196.712 0 31.27 1 1108 CHARLY 306 8 204.045 0 32.08 1 1108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 310 8 214.015 0 33.26 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR									
1107 HOTEL 355 8 174.521 0 28.67 1 1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 JHARLY 303 8 181.849 0 30.08 1 117 HARLY 304 8 190.304 0 30.10 1 1108 JHARLY 305 8 196.712 0 31.27 1 1108 CHARLY 306 8 204.045 0 32.08 1 1108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 310 8 214.015 0 33.26 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR		_	_				-		
1107 HOTEL 356 8 109.895 0 1 NO RECORD 1107 LHARLY 303 8 181.849 0 30.08 1 117 HARLY 304 8 190.304 0 30.10 1 1108 HARLY 305 8 196.712 0 31.27 1 1108 CHARLY 306 8 204.045 0 32.08 1 1108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 310 8 214.015 0 33.26 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR							_		
1107 JHARLY 303 8 181.849 0 30.08 1 117 HARLY 304 8 190.304 0 30.10 1 1108 HARLY 305 8 196.712 0 31.27 1 1108 CHARLY 306 8 204.045 0 32.08 1 1108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 310 8 214.015 0 33.26 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR	•	_	-		-	28.67	_		
11/			-	_					NO RECORD
1108 : HARLY 305 8 196.712 0 31.27 1 1108 CHARLY 306 8 204.045 0 32.08 1 1108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 310 8 214.015 0 33.26 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR					-		_	•	
1108 CHARLY 306 8 204.045 0 32.08 1 1108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 310 8 214.015 0 33.26 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR	11' YARLY	304	8	190.304	0		1		
108 CHARLY 307 8 210.610 0 32.74 1 1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 310 8 214.015 0 33.26 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR					-		•		
1108 CHARLY 308 8 219.030 0 33.76 1 1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 310 8 214.015 0 33.26 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR			_		-				
1108 CHARLY 309 8 206.042 0 32.37 1 1108 CHARLY 310 8 214.015 0 33.26 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR			8						
1108 CHARLY 310 8 214.015 0 33.26 1 1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR			_				-		
1108 CHARLY 311 8 220.709 0 34.05 1 1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR			_		_				
1108 CHARLY 312 8 228.657 0 35.34 1 1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT CLEAR									
1108 CHARLY 313 8 235.655 0 39.11 2 FIRST ARR NOT SLEAR									
		_	_		-		_		
1108 CHARLY 314 8 242.712 0 39.81 2 FIRST ARR NOT CLEAR			-		-				
	1108 CHARLY	314	8	242.712	0	39.81	2		FIRST ARR NUI CLEAR

	ATION	SHUT	R	RANGE	T	TIME	P	VEL.	COMME	M T		
NO	NAME			KM.		SEC.		KM/SEC	CUMME	• •		
1108	CHARLY	315	ិ	249.417	0	40.80	2		FIRST	ARR	NOT	CLEAR
	CHARLY		8	257.048	0	42.05						
	CHARLY		8	269.580	J	44-11			FIRST	ARR	NOT	CLEAR
	CHARLY		8	398.490	0		1					
	CHARLY		8	418.990	0	62.37	1					
	CHARLY		8	440.242	0	65.58 69.19	1					
	CHARLY		8	482.398 450.461	0	64.72	1					
	CHARLY		8	439.824	0	63.11	_					
-	CHARLY		8	384.832	ŏ	56.75						
	CHARLY		8	373.812	ŏ	56.12	i					
_	CHARLY		8	366.429	ō		ì		S/N V	ERY I	POOR	
_	CHARLY		8	365.754	g		1		S/N V		-	
	CHARLY		8	342.737	0	55.44	2		FIRST	ARR	NOT	CLEAR
1108	CHARLY	334	8	319.943	0	52.44	2		FIRST	ARR	NOT	LEAR
1108	CHARLY	335	8	298.324	0	44.40	2		FIRST	ARR	NOT	CLEAR
	CHARLY		8	287.466	O	46.60						CLEAR
	CHARLY		8	275.919	0	44.28			FIRST	ARR	NOT	CLEAR
	CHARLY		8	251.135	0		1					
		340	8	263.238	0	39.00	1					
	CHARLY		8	270.978	0	39.50	_					
	CHARLY		8	280.429	0	41.05						
	CHARLY		8	280.164 257.763	0	40.90 38.67	1					
	CHARLY		8	258.633	0		i					
	CHARLY		8	262.223	Ö	38.81	i					
	CHARLY	_	8	275.314	ō		i					
	CHARLY		8	286.054	ō		ī					
	CHARLY		8	295.791	ŏ	43.33						
_	CHARLY		8	254.239	0		1					
1108	CHARLY	353	8	254.203	0	41.64	ı		FIRST	TRO	JGH	
1108	CHARLY	354	8	252.120	0	38.38	ı					
1108	CHARLY	355	8	252.989	0	41.14	l					
	CHARLY		8	189.057	0				NO RE			
				OR ADVANCE								₹)
	SLVA4E		9	29.330	0	6.54			G000	_		
	SLVA4E	_	9	37.060	0	8.09			G000			
		305	9	43.110	0	9.08			G000			
	SLVA4E SLVA4F	307 308	9	56.360 64.390	0	11.49	ì	_	G000			
	SLVA4E	309	9	51.840	Ö	10.68	_		GOOD			
		311	9	66.460	ŏ	13.08			G000			
	SLVA4E	312	ģ	73.930	ŏ	14.39			6000			
_	SLVA46	313	ģ	80.730	ŏ	15.55			G000			
		314	ý	87.860	ō	16.67			G000			
		315	9	94.410	Ō		ì	6.90	G000	ONSE	7	
2150	SLVA4E	316	9	101.960	0		ı		G000			
2150	SLVA4E	320	9	114.450	0	20.78	l		GOOD	DNSE	ľ	
2150	SLVA4E	329	9	229.170	0		l	7.90	NOISY			
	SLVA4E		9	187.260	0	32.58			HEAK			
2150	SLVA4E	334	9	164.580	0	29.28	l	7.80	MEAK	5 I GN/	N.E.	

3 .

STATION	SHOT	R	R ANGE	T	TIME	P	VEL-	
NO NAME	• • • • • • • • • • • • • • • • • • • •	••	KM.	•	SEC.			COMMENT
-			*****					
2150 SLVA4E	335	9	143.020	0	25.85	1	7.00	GOOD ONSET
2150 SLVA4E	336	9	132.150	0	23.89	1	6.40	GUOD ONSET
2150 SLVA4E	337	9	120.790	0	21.91	ı	8.80	GUOD ONSET
2150 SLVA4E	338	9	104.470	0	19.10	1	6.80	COOD ONSET
2150 SLVA4E	340.	9	131-210	0	23.30	1		WEAK SIGNAL
2150 SLVA4E	341	9	146.470	0	25.00	1	8.20	VERY WEAK
2150 SLVA4E	3′.2	9	163.680	0	27.21	1		NOT FIRST?
2150 SLVA4E		9	163.790	0	27.34	1		GOOD ONSET
2150 SLVA4E	344	9	108.770	0	19.86	1	8.20	GODD ONSET
2150 SLVA4E	345	9	116-160	0	21.06	1		NOT FIRST?
2150 SLVA4E	346	9	128.190	0	22.93	1	5.80	OOD ONSET
2150 SLVA4E	347	9	145.420	0	25.48	l	5.90	5000 ONSET
2150 SLVA4E	348	9	163.960	0	28.05	1	5.50	MODERATE AMPL
2150 SLVA4E	349	9	177.980	0	30-04	1	6.60	WEAK SIGNAL
2150 SLVA4E	350	9	104.150	0	19.00	1	6.80	GOOD ONSET
2150 SLVA4E	353	9	99.630	0	18.54	1	6.40	GOOD ONSET
2150 SLVA4E	354	9	95.460	0	17.88	1	5.20	GOOD ONSET
	355	9	97.890	0	18.30	ı	5.70	GOOD ONSET
2150 SLVA4E	356	9	51.500	0	11.26	1	6.30	GOOD ONSET
2150 SLVA4E		9	85.130	0	15.41	1		DISTORTED SIGNAL
2150 SLVA4E		9	85.580	0	15.43	1	7.60	DISTORTED SIGNAL
2150 SLVA4E	_	9	104.100	0	18.87	1	7.00	NOT FIRST?
2150 SLVA4E		9	104.100	0	18.51	1		WEAK SIGNAL
2160 WTHM4E	303	9	36.710	Ō	7.79		5.40	GOOD OMSET
2160 WTHM4E		9	45.120	Ŏ	9.47			GOOD ONSET
2160 WTHM4E		9	51.500	ŏ	10.50			GOOD ONSET
2160 WTHM4E	306	9	58.800	ō	11.80	ī		GOOD ONSET
2160 WTHM4E	307	ģ	65.330	ō	12.94	ī		GOOD ONSET
2160 WTHM4E	308	ģ	73.670	Ö	14.38	ī		NOISY
2160 WTHM4E		9	60.750	ō	12.13	ī		GOOD ONSET
2160 WTHM4E		9	68.730	ō	13.53			GDDO ONSET
2160 WTHM4E		ý	75.480	ŏ	14.81			GOOD DNSET
2160 WTHM4E	312	ģ	83.340	ō	16.17			GOOD ONSET
2160 WTHM4E	313	9	90.300	ŏ	17.04	i		GOOO ONSET
2160 WTHM4E	_	ģ	97.400	ō	18.26	ì	55.15	NOISY
2160 WTHM4E	315	9	104.070	ō	19.20		8-10	GOOD ONSET
2160 WTHM4E		9	111.700	ŏ				GUOO ONSET
2160 WTHM4E	320	9	124.240	ō	22.20		5555	WEAK SIGNAL
2160 WTHM4E	330	ģ	228.360	Õ	38.61		6.90	WEAK SIGNAL
2160 WTHM4E		ģ	197.360	Õ				MODERATE AMPL
2160 WTHM4E		9	174.580	ō	30.73			WEAK SIGNAL
2160 WTHM4E		9	142.090	ō	25.27			WEAK SIGNAL
2160 WTHM4E		9	130.600	ō	23.29			WEAK SIGNAL
2167 WTHM4W		9	134.390	ŏ				GOOO ONSET
2167 WTHM4W		9	148.190	Ö	25.20	î		WEAK SIGNAL
2167 WTHM4W		9	164.120	Ö	27.25	î		NOISY
2167 WTHM4W	_	9	164.150	Ö	27.29			GOOO ONSET
2167 ATHM4W	344	9	123.980	Ö	22.24	ì		GOOD ONSET
2167 WTHM4W		9	131.400	õ	23-51	i		GOOD ONSET
2167 WTHM4W		9	143-110	0	25.19			GOOD ONSET
	2 40	,		-		-		

7

NO NAME	STATION	SHOT	R	RANGE	T	TIME	P	VEL.	
2167 WTHNAW 348 9 178.350 0 30.23 1 GOOD ONSET 2167 WTHNAW 348 9 178.350 0 30.23 1 GOOD ONSET 2167 WTHNAW 350 9 117.340 0 21.51 1 NOTSY 2160 WTHNAE 350 9 117.340 0 21.51 1 NOTSY 2160 WTHNAE 353 9 112.890 0 20.62 1 MODERATE AMPL 2160 WTHNAE 355 9 107.630 0 19.77 1 7.80 GOOD ONSET 2160 WTHNAE 355 9 107.630 0 19.77 1 7.80 GOOD ONSET 2160 WTHNAE 355 9 52.460 0 11.51 1 VFAY NOTSY 2167 WTHNAW 607 9 91.810 0 16.78 1 6.20 GOOD ONSET 2167 WTHNAW 608 9 91.810 0 16.78 1 6.20 GOOD ONSET 2167 WTHNAW 608 9 91.810 0 16.78 1 6.20 GOOD ONSET 2170 CHTGUE 304 9 27.900 0 6.76 1 GOOD ONSET 2170 CHTGUE 305 9 33.790 0 7.72 1 GOOD ONSET 2170 CHTGUE 305 9 33.790 0 7.72 1 GOOD ONSET 2170 CHTGUE 306 9 40.750 0 8.98 1 GOOD ONSET 2170 CHTGUE 308 9 55.160 0 11.42 1 GOOD ONSET 2170 CHTGUE 309 9 42.550 0 9.34 1 GOOD ONSET 2170 CHTGUE 309 9 42.550 0 9.34 1 GOOD ONSET 2170 CHTGUE 309 9 42.550 0 9.34 1 GOOD ONSET 2170 CHTGUE 310 9 50.380 0 10.76 1 GOOD ONSET 2170 CHTGUE 310 9 50.380 0 10.76 1 GOOD ONSET 2170 CHTGUE 310 9 50.380 0 10.76 1 GOOD ONSET 2170 CHTGUE 310 9 50.380 0 10.76 1 GOOD ONSET 2170 CHTGUE 311 9 57.220 0 11.78 1 MAEAK SIGNAL WEAK SIGNAL 2170 CHTGUE 315 9 85.240 0 16.19 1 WEAK SIGNAL 2170 CHTGUE 315 9 85.240 0 16.19 1 WEAK SIGNAL 2170 CHTGUE 315 9 85.240 0 16.19 1 WEAK SIGNAL 2170 CHTGUE 339 9 22.810 0 17.63 1 MODERATE AMPL 2170 CHTGUE 339 9 71.550 0 31.30 1 MODERATE AMPL 2170 CHTGUE 339 9 72.810 0 17.75 1 VERY WEAK SIGNAL 2170 CHTGUE 339 9 133.940 0 24.71 1 GOOD ONSET 2170 CHTGUE 339 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 334 9 118.660 0 22.55 1 MODERATE AMPL 2170 CHTGUE 334 9 118.660 0 22.55 1 MODERATE AMPL 2170 CHTGUE 334 9 112.600 0 22.55 1 MODERATE AMPL 2170 CHTGUE 334 9 122.940 0 22.34 1 NOTSY WERY WEAK 2170 CHTGUE 349 9 122.940 0 22.35 1 WEAK SIGNAL 2170 CHTGUE 349 9 112.600 0 22.55 1 WEAK SIGNAL 2170 CHTGUE 349 9 112.600 0 22.55 1 WEAK SIGNAL 2170 CHTGUE 349 9 12.600 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 349 9 112.600 0 22.55 1 WEAK SIGN			••		•		•		COMMENT
2167 MTHM4M 348 9 178-350 0 30-23 1 GOOD ONSET 2167 MTHM4M 349 9 192-180 0 31-92 1 MEAK SIGNAL 2167 MTHM4M 350 9 112-390 0 20-62 1 MODERATE AMPL 2160 MTHM4E 350 9 112-390 0 20-62 1 MODERATE AMPL 2160 MTHM4E 355 9 112-390 0 20-62 1 VFAY NOISY 2160 MTHM4E 356 9 52-460 0 19-77 1 6-20 GOOD ONSET 2160 MTHM4E 356 9 52-460 0 11-51 1 VFAY NOISY 2167 MTHM4M 607 9 91-810 0 16-78 1 6-20 GOOD ONSET 2167 MTHM4M 607 9 91-810 0 16-78 1 6-20 GOOD ONSET 2167 MTHM4M 608 9 91-810 0 16-78 1 6-30 NOT FIRST? 2167 CHTGUE 303 9 20-260 0 5-25 1 GOOD ONSET 2170 CHTGUE 305 9 33-790 0 7-72 1 GOOD ONSET 2170 CHTGUE 305 9 33-790 0 7-72 1 GOOD ONSET 2170 CHTGUE 305 9 33-790 0 7-72 1 GOOD ONSET 2170 CHTGUE 306 9 40-750 0 8-98 1 GOOD ONSET 2170 CHTGUE 309 9 42-550 0 9-34 1 GOOD ONSET 2170 CHTGUE 310 9 50-380 0 10-76 1 GOOD ONSET 2170 CHTGUE 310 9 50-380 0 10-76 1 GOOD ONSET 2170 CHTGUE 310 9 50-380 0 10-76 1 GOOD ONSET 2170 CHTGUE 310 9 50-380 0 10-76 1 GOOD ONSET 2170 CHTGUE 310 9 50-380 0 10-76 1 GOOD ONSET 2170 CHTGUE 311 9 57-220 0 11-78 1 MEAK SIGNAL 2170 CHTGUE 315 9 85-240 0 15-21 1 MODERATE AMPL 2170 CHTGUE 315 9 85-240 0 15-21 1 MODERATE AMPL 2170 CHTGUE 315 9 85-240 0 16-19 1 MEAK SIGNAL 2170 CHTGUE 315 9 85-240 0 16-19 1 MEAK SIGNAL 2170 CHTGUE 315 9 85-240 0 16-19 1 MEAK SIGNAL 2170 CHTGUE 315 9 85-240 0 16-19 1 MEAK SIGNAL 2170 CHTGUE 335 9 178-220 0 11-76 1 GOOD ONSET 2170 CHTGUE 315 9 85-240 0 16-19 1 WERX MEAK SIGNAL 2170 CHTGUE 339 9 178-220 0 11-76 1 GOOD ONSET 2170 CHTGUE 339 9 178-220 0 11-76 1 GOOD ONSET 2170 CHTGUE 339 9 178-220 0 11-76 1 GOOD ONSET 2170 CHTGUE 339 9 178-220 0 11-76 1 GOOD ONSET 2170 CHTGUE 339 9 178-220 0 11-76 1 WERX MEAK SIGNAL 2170 CHTGUE 349 9 156-240 0 15-21 1 WERX MEAK SIGNAL 2170 CHTGUE 349 9 156-240 0 17-75 1 WERX MEAK SIGNAL 2170 CHTGUE 349 9 122-940 0 22-35 1 WERX MEAK SIGNAL 2170 CHTGUE 349 9 122-940 0 22-35 1 WERX MEAK SIGNAL 2170 CHTGUE 349 9 122-940 0 22-35 1 WERX MEAK SIGNAL 2170 CHTGUE 349 9 122-940 0 22-35 1 WERX MEAK SIGNAL 2170 CHTGUE 349 9 122-940 0 22-35 1 WERX MEAK SIGNAL 2170 CHTGU									
2167 MTHM4M 349 9 192.160 0 31.92 1 MEAK SIGNAL 2167 MTHM4E 35.9 9 112.890 0 20.62 1 MODERATE AMPL 2160 MTHM4E 35.9 9 106.970 0 19.77 1 7.80 GODO ONSET 2160 MTHM4E 35.5 9 107.630 0 19.77 1 6.20 GODO ONSET 2160 MTHM4E 35.6 9 52.660 0 11.51 1 VFRY MOISY 2167 MTHM4M 604 9 73.860 0 14.87 1 6.20 GODO ONSET 2167 MTHM4M 607 9 91.810 0 16.78 1 6.20 GODO ONSET 2167 MTHM4M 608 9 91.810 0 16.78 1 6.20 GODO ONSET 2170 CHTGUE 304 9 20.260 0 5.25 1 GODO ONSET 2170 CHTGUE 305 9 33.790 0 7.72 1 GODO ONSET 2170 CHTGUE 306 9 40.750 0 8.98 1 GODO ONSET 2170 CHTGUE 306 9 47.090 0 10.03 1 GODO ONSET 2170 CHTGUE 308 9 55.160 0 11.42 1 GODO ONSET 2170 CHTGUE 308 9 55.160 0 11.42 1 GODO ONSET 2170 CHTGUE 309 9 42.550 0 9.34 1 GODO ONSET 2170 CHTGUE 310 9 50.380 0 10.76 1 GODO ONSET 2170 CHTGUE 310 9 50.380 0 10.76 1 GODO ONSET 2170 CHTGUE 311 9 57.220 0 11.78 1 MEAK SIGNAL 2170 CHTGUE 313 9 71.540 0 11.42 1 MODERATE AMPL 2170 CHTGUE 314 9 78.670 0 15.21 1 MODERATE AMPL 2170 CHTGUE 313 9 71.540 0 14.12 1 MODERATE AMPL 2170 CHTGUE 314 9 78.670 0 15.21 1 MODERATE AMPL 2170 CHTGUE 315 9 85.240 0 16.19 1 MEAK SIGNAL 2170 CHTGUE 314 9 78.670 0 15.21 1 MODERATE AMPL 2170 CHTGUE 313 9 71.540 0 14.12 1 MODERATE AMPL 2170 CHTGUE 314 9 78.670 0 15.21 1 MODERATE AMPL 2170 CHTGUE 336 9 20.910 0 37.25 1 WERY MEAK SIGNAL 2170 CHTGUE 339 9 22.0160 0 37.25 1 WERY MEAK SIGNAL 2170 CHTGUE 339 9 105.320 0 19.45 1 MODERATE AMPL 2170 CHTGUE 339 9 123.060 0 22.55 1 MODERATE AMPL 2170 CHTGUE 339 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 339 9 123.060 0 22.55 1 MODERATE AMPL 2170 CHTGUE 334 9 156.280 0 27.05 1 WERY MEAK 2170 CHTGUE 344 9 156.280 0 27.05 1 WERY MEAK 2170 CHTGUE 347 9 142.590 0 22.35 1 WERY MEAK 2170 CHTGUE 349 9 156.280 0 27.05 1 WERY MEAK 2170 CHTGUE 349 9 156.280 0 27.05 1 WERY MEAK 2170 CHTGUE 349 9 156.280 0 27.05 1 WERY MEAK 2170 CHTGUE 349 9 156.280 0 27.05 1 WERY MEAK 2170 CHTGUE 349 9 156.280 0 27.05 1 WERY MEAK 2170 CHTGUE 349 9 156.280 0 27.05 1 WERY MEAK 2170 CHTGUE 349 9 156.280 0 27.05 1 WERY MEAK 2170 CHTGUE 349 9 156.280 0 2	2167 WTHM4W	347	9	160.200	0	27.68	1		NOISY
2167 WTHMHAW 350 9 112.890 0 20.62 1 MODERATE AMPL 2160 WTHMHAE 355 9 107.630 0 19.77 1 7.80 GODO ONSET 2160 WTHMHAE 355 9 107.630 0 19.77 1 6.20 GODO ONSET 2160 WTHMHAE 355 9 52.460 0 11.51 1 VFRY NOISY 2167 WTHMHAW 606 9 73.860 0 14.87 1 6.20 GODO ONSET 2167 WTHMHAW 607 9 91.810 0 16.78 1 6.30 NOT FIRST? 2167 WTHMHAW 608 9 91.810 0 16.78 1 6.30 NOT FIRST? 2170 CHTGUE 303 9 20.260 0 5.25 1 GODO ONSET 2170 CHTGUE 305 9 33.790 0 7.72 1 GODO ONSET 2170 CHTGUE 305 9 33.790 0 7.72 1 GODO ONSET 2170 CHTGUE 307 9 47.090 0 6.76 1 GODO ONSET 2170 CHTGUE 308 9 55.160 0 11.42 1 GODO ONSET 2170 CHTGUE 308 9 55.160 0 11.42 1 GODO ONSET 2170 CHTGUE 309 9 42.550 0 9.34 1 GODO ONSET 2170 CHTGUE 310 9 50.380 0 10.76 1 GODO ONSET 2170 CHTGUE 310 9 50.380 0 10.76 1 GODO ONSET 2170 CHTGUE 310 9 57.220 0 11.78 1 MEAK SIGNAL 2170 CHTGUE 313 9 71.540 0 14.12 1 MODERATE AMPL 2170 CHTGUE 313 9 71.540 0 14.12 1 MODERATE AMPL 2170 CHTGUE 315 9 85.240 0 16.19 1 MEAK SIGNAL 2170 CHTGUE 316 9 92.810 0 17.63 1 GODO ONSET 2170 CHTGUE 316 9 92.810 0 17.63 1 GODO ONSET 2170 CHTGUE 316 9 92.810 0 17.63 1 GODO ONSET 2170 CHTGUE 316 9 92.810 0 17.63 1 GODO ONSET 2170 CHTGUE 316 9 92.810 0 17.63 1 GODO ONSET 2170 CHTGUE 316 9 92.810 0 17.63 1 GODO ONSET 2170 CHTGUE 316 9 92.810 0 17.63 1 GODO ONSET 2170 CHTGUE 316 9 92.810 0 17.63 1 GODO ONSET 2170 CHTGUE 333 9 71.540 0 14.12 1 MODERATE AMPL 2170 CHTGUE 335 9 133.940 0 24.71 1 GODO ONSET 2170 CHTGUE 335 9 133.940 0 24.71 1 GODO ONSET 2170 CHTGUE 335 9 133.940 0 24.71 1 GODO ONSET 2170 CHTGUE 337 9 111.660 0 22.55 1 MODERATE AMPL 2170 CHTGUE 338 9 95.370 0 17.75 1 VERY WEAK 2170 CHTGUE 334 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 334 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 334 9 164.500 0 24.51 1 WEAK SIGNAL 2170 CHTGUE 334 9 164.500 0 24.51 1 WEAK SIGNAL 2170 CHTGUE 334 9 164.500 0 24.51 1 WEAK SIGNAL 2170 CHTGUE 334 9 164.500 0 24.51 1 WEAK SIGNAL 2170 CHTGUE 334 9 164.500 0 24.51 1 WEAK SIGNAL 2170 CHTGUE 334 9 164.500 0 24.51 1 WEAK SIGNAL 2170 CHTGUE 334 9 164.500 0 24.51 1 WEAK SIGNAL 2170 CHTGUE	2167 WTHM4W	348	9	178.350	0	30.23	1		GOOD ONSET
	2167 WTHM4W	349	9	192.160	0	31.92	1		WEAK SIGNAL
2160 MTHHAE 356 9 106.970 0 19.77 1 7.80 GOOD ONSET 2160 WTHHAE 356 9 52.460 0 11.51 1 7.87 NOTSY 2167 MTHHAM 356 9 73.860 0 11.51 1 7.87 NOTSY 2167 MTHHAM 604 9 73.860 0 14.87 1 6.20 GOOD ONSET 2167 MTHHAM 608 9 91.810 0 16.78 1 6.30 NOT FIRST? 2167 MTHHAM 608 9 91.810 0 16.78 1 6.30 NOT FIRST? 2170 CHTGUE 303 9 20.260 0 5.25 1 GOOD ONSET 2170 CHTGUE 305 9 33.790 0 7.72 1 GOOD ONSET 2170 CHTGUE 307 9 40.750 0 8.98 1 GOOD ONSET 2170 CHTGUE 307 9 47.090 0 10.03 1 GOOD ONSET 2170 CHTGUE 307 9 42.550 0 9.34 1 GOOD ONSET 2170 CHTGUE 309 9 42.550 0 9.34 1 GOOD ONSET 2170 CHTGUE 310 9 50.380 0 10.76 1 GOOD ONSET 2170 CHTGUE 310 9 50.380 0 10.76 1 GOOD ONSET 2170 CHTGUE 311 9 57.220 0 11.78 1 HEAK SIGNAL 2170 CHTGUE 313 9 71.540 0 14.12 1 MOOERATE AMPL 2170 CHTGUE 314 9 78.670 0 15.21 1 MOOERATE AMPL 2170 CHTGUE 315 9 85.240 0 16.19 1 MEAK SIGNAL 2170 CHTGUE 316 9 92.810 0 17.63 1 GOOD ONSET 2170 CHTGUE 316 9 92.810 0 17.63 1 GOOD ONSET 2170 CHTGUE 315 9 85.240 0 16.19 1 MEAK SIGNAL 2170 CHTGUE 333 9 178.220 0 31.30 1 MOOERATE AMPL 2170 CHTGUE 335 9 133.940 0 24.71 1 GOOD ONSET 2170 CHTGUE 335 9 133.940 0 24.71 1 GOOD ONSET 2170 CHTGUE 335 9 133.940 0 24.71 1 GOOD ONSET 2170 CHTGUE 335 9 133.940 0 24.71 1 GOOD ONSET 2170 CHTGUE 335 9 133.940 0 24.71 1 GOOD ONSET 2170 CHTGUE 335 9 133.940 0 24.71 1 GOOD ONSET 2170 CHTGUE 335 9 133.940 0 24.71 1 GOOD ONSET 2170 CHTGUE 335 9 133.940 0 24.71 1 GOOD ONSET 2170 CHTGUE 335 9 133.940 0 24.71 1 GOOD ONSET 2170 CHTGUE 335 9 133.940 0 24.71 1 GOOD ONSET 2170 CHTGUE 336 9 123.060 0 22.56 1 MOOERATE AMPL 2170 CHTGUE 344 9 105.280 0 27.05 1 VERY MEAK 2170 CHTGUE 344 9 105.280 0 27.05 1 VERY MEAK 2170 CHTGUE 347 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 348 9 176.250 0 25.53 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 25.23 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 25.23 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 26.53 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 26.53 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 26.53 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 26.53 1 MEAK SIGNAL 2170 CHTGUE 349	2167 HTHM4W	350	9	117.340	0	21.51	l		NOISY
2160 M7HM4E 355 9 107.630 0 19.77 1 6.20 GOOD ONSET 2167 M7HM4M 604 9 73.860 0 14.67 1 6.20 GOOD ONSET 2167 M7HM4M 604 9 91.810 0 16.78 1 6.30 NOT FIRST? 2167 M7HM4M 608 9 91.810 0 16.71 1 5.40 NOT FIRST? 2170 CHTGUE 303 9 20.260 0 5.25 1 GOOD ONSET 2170 CHTGUE 304 9 27.900 0 6.76 1 GOOD ONSET 2170 CHTGUE 305 9 33.790 0 7.72 1 GOOD ONSET 2170 CHTGUE 306 9 40.750 0 8.98 1 GOOD ONSET 2170 CHTGUE 307 9 47.090 0 10.03 1 GOOD ONSET 2170 CHTGUE 308 9 55.160 0 11.42 1 GOOD ONSET 2170 CHTGUE 309 9 42.550 0 9.34 1 GOOD ONSET 2170 CHTGUE 310 9 50.380 0 10.76 1 GOOD ONSET 2170 CHTGUE 311 9 57.220 0 11.78 1 GOOD ONSET 2170 CHTGUE 312 9 64.700 0 13.02 1 HOOERATE AMPL 2170 CHTGUE 313 9 71.540 0 14.12 1 MOOERATE AMPL 2170 CHTGUE 314 9 78.670 0 15.21 1 MOOERATE AMPL 2170 CHTGUE 315 9 85.240 0 16.19 1 MEAK SIGMAL 2170 CHTGUE 316 9 92.810 0 17.63 1 GOOD ONSET 2170 CHTGUE 316 9 92.810 0 17.63 1 GOOD ONSET 2170 CHTGUE 313 9 71.540 0 14.12 1 MOOERATE AMPL 2170 CHTGUE 330 9 105.320 0 19.45 1 MOOERATE AMPL 2170 CHTGUE 330 9 105.320 0 19.45 1 WEAK SIGMAL 2170 CHTGUE 333 9 178.220 0 31.30 1 MOOERATE AMPL 2170 CHTGUE 333 9 178.220 0 31.30 1 MOOERATE AMPL 2170 CHTGUE 333 9 178.220 0 31.30 1 MOOERATE AMPL 2170 CHTGUE 333 9 178.220 0 31.30 1 MOOERATE AMPL 2170 CHTGUE 334 9 122.940 0 22.55 1 MOOERATE AMPL 2170 CHTGUE 337 9 111.660 0 20.55 1 MOOERATE AMPL 2170 CHTGUE 337 9 111.660 0 20.55 1 WERY MEAK 2170 CHTGUE 334 9 122.940 0 22.35 1 WEAK SIGMAL 2170 CHTGUE 344 9 162.940 0 22.55 1 WERY MEAK 2170 CHTGUE 344 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 346 9 122.940 0 22.35 1 WEAK SIGMAL 2170 CHTGUE 346 9 122.940 0 22.35 1 WEAK SIGMAL 2170 CHTGUE 347 9 112.690 0 27.05 1 VERY MEAK 2170 CHTGUE 346 9 122.940 0 22.35 1 WEAK SIGMAL 2170 CHTGUE 347 9 112.690 0 27.05 1 VERY MEAK 2170 CHTGUE 349 9 176.250 0 36.17 1 WEAK SIGMAL 2170 CHTGUE 349 9 176.250 0 36.17 1 WEAK SIGMAL 2170 CHTGUE 349 9 176.250 0 36.17 1 WEAK SIGMAL 2170 CHTGUE 349 9 176.250 0 36.17 1 WEAK SIGMAL 2170 CHTGUE 349 9 176.250 0 36.17 1 WEAK SIGMAL 2170 CHTGUE 349 9 142.590 0 27.05 1 W	2160 WTHM4E	3:.3	9	112.890	0		1		MODERATE AMPL
2160 NTHINEE 356 9 52.460 0 11.51 1 VERY NOTSY 2167 WITHMAW 604 9 73.860 0 14.87 1 6.20 GOOD DISET 2167 WITHMAW 607 9 91.810 0 16.78 1 6.30 NDT FIRST? 2167 WITHMAW 608 9 91.810 0 16.71 1 5.40 NOT FIRST? 2170 CHTGUE 304 9 20.260 0 5.25 1 GOOD ONSET 2170 CHTGUE 305 9 33.790 0 7.72 1 GOOD ONSET 2170 CHTGUE 307 9 40.750 0 8.98 1 GOOD ONSET 2170 CHTGUE 307 9 47.090 0 10.03 1 GOOD ONSET 2170 CHTGUE 308 9 55.160 0 11.42 1 GOOD ONSET 2170 CHTGUE 309 9 42.550 0 9.34 1 GOOD ONSET 2170 CHTGUE 310 9 50.380 0 10.76 1 GOOD ONSET 2170 CHTGUE 310 9 57.220 0 11.78 1 MEAK SIGNAL 2170 CHTGUE 313 9 71.540 0 14.12 1 MODERATE AMPL 2170 CHTGUE 313 9 71.540 0 14.12 1 MODERATE AMPL 2170 CHTGUE 314 9 78.670 0 15.21 1 MODERATE AMPL 2170 CHTGUE 315 9 85.240 0 16.19 1 MEAK SIGNAL 2170 CHTGUE 316 9 92.810 0 17.63 1 MODERATE AMPL 2170 CHTGUE 316 9 92.810 0 17.63 1 MODERATE AMPL 2170 CHTGUE 330 9 209.070 0 35.79 1 MEAK SIGNAL 2170 CHTGUE 330 9 209.070 0 35.79 1 MEAK SIGNAL 2170 CHTGUE 330 9 209.070 0 35.79 1 MEAK SIGNAL 2170 CHTGUE 330 9 209.070 0 35.79 1 MEAK SIGNAL 2170 CHTGUE 330 9 105.320 0 19.45 1 MODERATE AMPL 2170 CHTGUE 330 9 209.070 0 35.79 1 MEAK SIGNAL 2170 CHTGUE 330 9 209.070 0 35.79 1 MEAK SIGNAL 2170 CHTGUE 330 9 209.070 0 35.79 1 MEAK SIGNAL 2170 CHTGUE 330 9 123.060 0 22.55 1 MODERATE AMPL 2170 CHTGUE 334 9 123.060 0 22.55 1 MODERATE AMPL 2170 CHTGUE 334 9 123.060 0 22.55 1 MODERATE AMPL 2170 CHTGUE 334 9 122.940 0 22.34 1 NOTSY 2170 CHTGUE 343 9 156.400 0 26.53 1 MEAK SIGNAL 2170 CHTGUE 343 9 156.400 0 26.53 1 MEAK SIGNAL 2170 CHTGUE 344 9 136.660 0 24.19 1 VERY MEAK 2170 CHTGUE 344 9 136.660 0 27.05 1 VERY MEAK 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY MEAK 2170 CHTGUE 349 9 176.250 0 36.17 1 WEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 36.17 1 WEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 36.17 1 WEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 36.17 1 WEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 36.17 1 WEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 36.17 1 WEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 36.17 1 WEAK SIGNAL 2170 CHTGUE 349 9 142.550 0 36.17 1 WE	2160 WTHM4E	354	9	106.970	0	19.77	1	7.80	GOOO ONSET
2167 MFMMAW 604 9 73.860 0 14.87 1 6.20 GOOD ONSET 2167 MFMMAW 607 9 91.810 0 16.78 1 6.30 NDT FIRST? 2167 MFMMAW 608 9 91.810 0 16.71 1 5.40 NDT FIRST? 2170 CHTGUE 303 9 20.260 0 5.25 1 GOOD ONSET 2170 CHTGUE 305 9 33.790 0 7.72 1 GOOD ONSET 2170 CHTGUE 305 9 33.790 0 7.72 1 GOOD ONSET 2170 CHTGUE 306 9 40.750 0 8.98 1 GOOD ONSET 2170 CHTGUE 308 9 55.160 0 11.42 1 GOOD ONSET 2170 CHTGUE 308 9 55.160 0 11.42 1 GOOD ONSET 2170 CHTGUE 308 9 55.160 0 11.42 1 GOOD ONSET 2170 CHTGUE 308 9 55.160 0 11.42 1 GOOD ONSET 2170 CHTGUE 310 9 50.380 0 10.76 1 GOOD ONSET 2170 CHTGUE 311 9 57.220 0 11.78 1 MEAK SIGNAL 2170 CHTGUE 312 9 64.700 0 13.02 1 MODERATE AMPL 2170 CHTGUE 313 9 71.540 0 14.12 1 MODERATE AMPL 2170 CHTGUE 314 9 78.670 0 15.21 1 MODERATE AMPL 2170 CHTGUE 315 9 85.240 0 16.19 1 MEAK SIGNAL 2170 CHTGUE 316 9 92.810 0 17.63 1 GOOD ONSET 2170 CHTGUE 320 9 105.320 0 19.45 1 MODERATE AMPL 2170 CHTGUE 320 9 220.160 0 37.25 1 VERY MEAK 2170 CHTGUE 330 9 209.070 0 35.79 1 MEAK SIGNAL 2170 CHTGUE 330 9 209.070 0 35.79 1 MEAK SIGNAL 2170 CHTGUE 330 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 330 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 330 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 330 9 123.940 0 24.71 1 GOOD ONSET 2170 CHTGUE 330 9 123.940 0 24.71 1 GOOD ONSET 2170 CHTGUE 334 9 123.960 0 22.55 1 MODERATE AMPL 2170 CHTGUE 334 9 123.960 0 22.55 1 MODERATE AMPL 2170 CHTGUE 334 9 123.960 0 22.55 1 MODERATE AMPL 2170 CHTGUE 344 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 344 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 344 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 344 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 344 9 162.500 0 22.55 1 MEAK SIGNAL 2170 CHTGUE 344 9 162.500 0 22.55 1 MEAK SIGNAL 2170 CHTGUE 345 9 110.700 0 22.55 1 MEAK SIGNAL 2170 CHTGUE 346 9 125.020 0 22.55 1 MEAK SIGNAL 2170 CHTGUE 346 9 125.020 0 22.55 1 MEAK SIGNAL 2170 CHTGUE 346 9 125.020 0 22.55 1 MEAK SIGNAL 2170 CHTGUE 347 9 142.550 0 36.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 36.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 142.550 0 36.17 1 MEAK S	2160 WTHM4E	355	9	107.630	0	19.77	1	6.20	GOOO ONSET
2167 MTHM4N 607 9 91.810 0 16.78 1 6.30 NOT FIRST? 2167 MTHM4N 608 9 91.810 0 16.71 1 5.40 NOT FIRST? 2170 CHTGUE 303 9 20.260 0 5.25 1 GOOD ONSET 2170 CHTGUE 304 9 27.900 0 6.76 1 GOOD ONSET 2170 CHTGUE 306 9 33.790 0 7.72 1 GOOD ONSET 2170 CHTGUE 306 9 40.750 0 8.98 1 GOOD ONSET 2170 CHTGUE 307 9 47.090 0 10.03 1 GOOD ONSET 2170 CHTGUE 308 9 55.160 0 11.42 1 GOOD ONSET 2170 CHTGUE 309 9 42.550 0 9.34 1 GOOD ONSET 2170 CHTGUE 310 9 50.380 0 10.76 1 GOOD ONSET 2170 CHTGUE 311 9 57.220 0 11.78 1 MEAK SIGNAL 2170 CHTGUE 312 9 64.700 0 13.02 1 MODERATE AMPL 2170 CHTGUE 313 9 71.540 0 14.12 1 MODERATE AMPL 2170 CHTGUE 314 9 78.670 0 15.21 1 MODERATE AMPL 2170 CHTGUE 315 9 85.240 0 16.19 1 MEAK SIGNAL 2170 CHTGUE 316 9 92.810 0 17.63 1 GOOD ONSET 2170 CHTGUE 315 9 85.240 0 16.19 1 MEAK SIGNAL 2170 CHTGUE 316 9 92.810 0 17.63 1 GOOD ONSET 2170 CHTGUE 339 9 220.160 0 37.25 1 VERY MEAK 2170 CHTGUE 339 9 105.320 0 19.45 1 MODERATE AMPL 2170 CHTGUE 339 9 220.160 0 37.25 1 VERY MEAK 2170 CHTGUE 339 9 123.060 0 22.56 1 MODERATE AMPL 2170 CHTGUE 339 9 123.060 0 22.56 1 MODERATE AMPL 2170 CHTGUE 339 9 123.060 0 22.56 1 MODERATE AMPL 2170 CHTGUE 334 9 123.060 0 22.56 1 MODERATE AMPL 2170 CHTGUE 337 9 111.660 0 20.55 1 MODERATE AMPL 2170 CHTGUE 334 9 123.060 0 22.34 1 NOISY 2170 CHTGUE 344 9 133.060 0 22.34 1 NOISY 2170 CHTGUE 343 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 344 9 136.660 0 24.19 1 VERY MEAK 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY MEAK 2170 CHTGUE 347 9 142.590 0 25.23 1 MEAK SIGNAL 2170 CHTGUE 348 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 349 9 176.250 0 36.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 36.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 36.17 1 MEAK SIGNAL 2170 CHTGUE 350 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 350 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 350 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 350 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 350 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 350 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 350 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 350 9 98			9	52.460	0	11.51	1		
2167 MTHMAW 608 9 91.810 0 16.71 1 5.40 NOT FIRST? 2170 CHTGUE 303 9 20.260 0 5.25 1 G000 ONSET 2170 CHTGUE 304 9 27.900 0 6.76 1 G000 ONSET 2170 CHTGUE 305 9 33.790 0 7.72 1 G000 ONSET 2170 CHTGUE 306 9 40.750 0 8.98 1 G000 ONSET 2170 CHTGUE 308 9 47.090 0 10.03 1 G000 ONSET 2170 CHTGUE 308 9 55.160 0 11.42 1 G000 ONSET 2170 CHTGUE 308 9 55.160 0 11.42 1 G000 ONSET 2170 CHTGUE 310 9 50.380 0 10.76 1 G000 ONSET 2170 CHTGUE 311 9 57.220 0 11.78 1 MEAK SIGNAL 2170 CHTGUE 311 9 57.220 0 11.78 1 MEAK SIGNAL 2170 CHTGUE 312 9 64.700 0 13.02 1 MODERATE AMPL 2170 CHTGUE 314 9 78.670 0 15.21 1 MODERATE AMPL 2170 CHTGUE 315 9 85.240 0 16.19 1 MEAK SIGNAL 2170 CHTGUE 316 9 92.810 0 17.63 1 G000 ONSET 2170 CHTGUE 320 9 105.320 0 19.45 1 MODERATE AMPL 2170 CHTGUE 330 9 200.070 0 35.79 1 MEAK SIGNAL 2170 CHTGUE 333 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 335 9 133.940 0 24.71 1 G000 ONSET 2170 CHTGUE 337 9 111.660 0 20.55 1 MODERATE AMPL 2170 CHTGUE 338 9 95.370 0 17.75 1 VERY MEAK 2170 CHTGUE 338 9 95.370 0 17.75 1 VERY MEAK 2170 CHTGUE 334 9 122.960 0 22.34 1 NOISY 2170 CHTGUE 349 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 349 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 349 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 349 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 349 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 349 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 349 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 349 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 349 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 349 9 176.250 0 30.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 MEAK SIGNAL 2170 CHTGUE 359 9 88.730 0 17.751 1 MODERATE AMPL 2170 CHTGUE 359 9 98.240 0 16.60 1 MODERATE AMPL 2170 CHTGUE 359 9 88.730 0 17.75	2167 WTHM4W	604	-	73.860	0	_	1		
2170 CHTGUE 303 9 20.260 0 5.25 1 GOOD ONSET 2170 CHTGUE 305 9 33.790 0 7.72 1 GOOD ONSET 2170 CHTGUE 306 9 40.750 0 8.98 1 GOOD ONSET 2170 CHTGUE 306 9 40.750 0 8.98 1 GOOD ONSET 2170 CHTGUE 308 9 55.160 0 11.42 1 GOOD ONSET 2170 CHTGUE 308 9 55.160 0 11.42 1 GOOD ONSET 2170 CHTGUE 309 9 42.550 0 9.34 1 GOOD ONSET 2170 CHTGUE 310 9 50.380 0 10.76 1 GOOD ONSET 2170 CHTGUE 312 9 64.700 0 13.02 1 MODERATE AMPL 2170 CHTGUE 313 9 71.540 0 14.12 1 MODERATE AMPL 2170 CHTGUE 315 9 85.240 0 16.19 1 MODERATE AMPL 2170 CHTGUE 315 9 85.240 0 16.19 1 MEAK SIGNAL 2170 CHTGUE 316 9 92.810 0 17.63 1 GOOD ONSET 2170 CHTGUE 329 9 220.160 0 37.25 1 VERY MEAK 2170 CHTGUE 329 9 220.160 0 37.25 1 VERY MEAK 2170 CHTGUE 333 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 335 9 133.940 0 24.71 1 GOOD ONSET 2170 CHTGUE 335 9 133.940 0 24.71 1 GOOD ONSET 2170 CHTGUE 335 9 133.940 0 24.71 1 GOOD ONSET 2170 CHTGUE 337 9 123.060 0 22.56 1 MODERATE AMPL 2170 CHTGUE 337 9 123.060 0 22.55 1 MODERATE AMPL 2170 CHTGUE 337 9 123.060 0 22.55 1 MODERATE AMPL 2170 CHTGUE 337 9 133.060 0 22.55 1 MODERATE AMPL 2170 CHTGUE 338 9 95.370 0 17.75 1 VERY MEAK 2170 CHTGUE 337 9 111.660 0 20.55 1 MODERATE AMPL 2170 CHTGUE 338 9 123.060 0 22.55 1 MODERATE AMPL 2170 CHTGUE 337 9 111.660 0 20.55 1 MODERATE AMPL 2170 CHTGUE 337 9 111.660 0 20.55 1 WERY MEAK 2170 CHTGUE 340 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 341 9 138.660 0 24.71 1 VERY MEAK 2170 CHTGUE 342 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 347 9 126.980 0 27.05 1 VERY MEAK 2170 CHTGUE 347 9 126.980 0 27.05 1 VERY MEAK 2170 CHTGUE 347 9 126.980 0 27.05 1 VERY MEAK 2170 CHTGUE 349 9 161.900 0 27.81 i MEAK SIGNAL 2170 CHTGUE 349 9 161.900 0 27.81 i MEAK SIGNAL 2170 CHTGUE 349 9 161.900 0 27.81 i MEAK SIGNAL 2170 CHTGUE 349 9 161.900 0 27.81 i MEAK SIGNAL 2170 CHTGUE 349 9 161.900 0 27.81 i MEAK SIGNAL 2170 CHTGUE 345 9 161.900 0 27.81 i MEAK SIGNAL 2170 CHTGUE 349 9 161.900 0 27.81 i MEAK SIGNAL 2170 CHTGUE 349 9 161.900 0 27.81 i MEAK SIGNAL 2170 CHTGUE 349 9 161.900 0 27.81 i MEAK SIGNAL 2170 CHTGUE 349					0				· ·
2170 CHTGUE 304 9 27.900 0 6.76 1 GOOD ONSET 2170 CHTGUE 305 9 33.790 0 7.72 1 GOOD ONSET 2170 CHTGUE 306 9 40.750 0 8.98 1 GOOD ONSET 2170 CHTGUE 307 9 47.090 0 10.03 1 GOOD ONSET 2170 CHTGUE 308 9 55.160 0 11.42 1 GOOD ONSET 2170 CHTGUE 310 9 42.550 0 9.34 1 GOOD ONSET 2170 CHTGUE 310 9 50.380 0 10.76 1 GOOD ONSET 2170 CHTGUE 311 9 57.220 0 11.78 1 MEAK SIGNAL 2170 CHTGUE 312 9 64.700 0 13.02 1 MODERATE AMPL 2170 CHTGUE 313 9 71.540 0 14.12 1 MODERATE AMPL 2170 CHTGUE 313 9 78.670 0 15.21 1 MODERATE AMPL 2170 CHTGUE 315 9 85.240 0 16.19 1 MEAK SIGNAL 2170 CHTGUE 316 9 92.810 0 17.63 1 GOOD ONSET 2170 CHTGUE 320 9 105.320 0 19.45 1 MODERATE AMPL 2170 CHTGUE 330 9 209.070 0 35.79 1 MEAK SIGNAL 2170 CHTGUE 333 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 333 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 333 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 333 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 333 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 334 9 123.060 0 22.56 1 MODERATE AMPL 2170 CHTGUE 334 9 123.060 0 22.56 1 MODERATE AMPL 2170 CHTGUE 334 9 123.060 0 22.56 1 MODERATE AMPL 2170 CHTGUE 334 9 123.060 0 22.56 1 MODERATE AMPL 2170 CHTGUE 334 9 123.060 0 22.56 1 MODERATE AMPL 2170 CHTGUE 334 9 123.060 0 22.56 1 MODERATE AMPL 2170 CHTGUE 349 9 111.660 0 20.55 1 MODERATE AMPL 2170 CHTGUE 349 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 349 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY MEAK 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY MEAK 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY MEAK 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY MEAK 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY MEAK 2170 CHTGUE 349 9 176.250 0 30.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 MEAK SIGNAL 2170 CHTGUE 353 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 MEAK	2167 HTHM4W	808	9	91.810	0	16.71	1	5.40	NOT FIRST?
2170 CHTGUE 305 9 33.790 0 7.72 1 GOOD DNSET 2170 CHTGUE 306 9 40.750 0 8.98 1 GOOD ONSET 2170 CHTGUE 308 9 55.160 0 11.42 1 GOOD ONSET 2170 CHTGUE 308 9 55.160 0 11.42 1 GOOD ONSET 2170 CHTGUE 310 9 50.380 0 10.76 1 GOOD ONSET 2170 CHTGUE 311 9 57.220 0 11.78 1 MEAK SIGNAL 2170 CHTGUE 312 9 64.700 0 13.02 1 MODERATE AMPL 2170 CHTGUE 313 9 71.540 0 14.12 1 MODERATE AMPL 2170 CHTGUE 314 9 78.670 0 15.21 1 MODERATE AMPL 2170 CHTGUE 315 9 85.240 0 16.19 1 MEAK SIGNAL 2170 CHTGUE 316 9 92.810 0 17.63 1 GOOD ONSET 2170 CHTGUE 320 9 105.320 0 19.45 1 MODERATE AMPL 2170 CHTGUE 320 9 105.320 0 19.45 1 MODERATE AMPL 2170 CHTGUE 330 9 209.070 0 35.79 1 MEAK SIGNAL 2170 CHTGUE 333 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 330 9 209.070 0 35.79 1 MEAK SIGNAL 2170 CHTGUE 333 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 334 9 123.060 0 22.56 1 MODERATE AMPL 2170 CHTGUE 335 9 133.940 0 24.71 1 GOOD ONSET 2170 CHTGUE 336 9 123.060 0 22.56 1 MODERATE AMPL 2170 CHTGUE 336 9 123.060 0 22.56 1 MODERATE AMPL 2170 CHTGUE 337 9 111.660 0 29.55 1 MODERATE AMPL 2170 CHTGUE 334 9 95.370 0 17.75 1 VERY MEAK 2170 CHTGUE 341 9 138.660 0 24.71 1 VERY MEAK 2170 CHTGUE 343 9 156.400 0 26.53 1 VERY MEAK 2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY MEAK 2170 CHTGUE 346 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 347 9 156.400 0 26.53 1 MEAK SIGNAL 2170 CHTGUE 348 9 156.400 0 26.53 1 MEAK SIGNAL 2170 CHTGUE 349 9 156.400 0 26.53 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 22.35 1 VERY MEAK 2170 CHTGUE 349 9 16.250 0 22.35 1 VERY MEAK 2170 CHTGUE 349 9 16.250 0 27.81 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 27.81 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 27.81 1 MEAK SIGNAL 2170 CHTGUE 353 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 353 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 355 9 88.730 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 355 9 88.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 355 9 88.240 0 16.60 1 MODERATE AMPL 2170 CHTGUE 355 9 88.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 355 9 88.240 0 17.51 1 MEAK SIGNAL	2170 CHTGUE	303	9	20.260	0		1		GOOO ONSET
2170 CHTGUE 307 9 47.090 0 10.03 1 GOOD ONSET 2170 CHTGUE 307 9 47.090 0 10.03 1 GOOD ONSET 2170 CHTGUE 309 9 55.160 0 11.42 1 GOOD ONSET 2170 CHTGUE 310 9 50.380 0 10.76 1 GOOD ONSET 2170 CHTGUE 311 9 57.220 0 11.78 1 HEAK SIGNAL 3170 CHTGUE 312 9 64.700 0 13.02 1 MODERATE AMPL 2170 CHTGUE 313 9 71.540 0 14.12 1 MODERATE AMPL 2170 CHTGUE 314 9 78.670 0 15.21 1 MODERATE AMPL 2170 CHTGUE 315 9 85.240 0 16.19 1 HEAK SIGNAL 3170 CHTGUE 316 9 92.810 0 17.63 1 GOOD ONSET 2170 CHTGUE 316 9 92.810 0 17.63 1 GOOD ONSET 2170 CHTGUE 320 9 105.320 0 19.45 1 MODERATE AMPL 2170 CHTGUE 320 9 220.160 0 37.25 1 VERY MEAK SIGNAL 3170 CHTGUE 333 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 333 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 333 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 334 9 123.040 0 22.56 1 MODERATE AMPL 2170 CHTGUE 335 9 133.940 0 24.71 1 GOOD ONSET 2170 CHTGUE 334 9 122.940 0 22.56 1 MODERATE AMPL 2170 CHTGUE 334 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 341 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 342 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 343 9 156.400 0 26.53 1 WEAK SIGNAL 2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY MEAK 2170 CHTGUE 347 9 122.940 0 27.05 1 VERY MEAK 2170 CHTGUE 348 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 349 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 349 9 161.990 0 27.81 1 MODERATE AMPL 2170 CHTGUE 349 9 162.590 0 25.23 1 HEAK SIGNAL 2170 CHTGUE 349 9 161.990 0 27.81 1 MODERATE AMPL 2170 CHTGUE 349 9 162.590 0 25.23 1 HEAK SIGNAL 2170 CHTGUE 349 9 162.590 0 25.23 1 HEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 HEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 HEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 HEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 HEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 HEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 HODERATE AMPL 2170 CHTGUE 355 9 98.240 0 17.51 1 HODERATE AMPL 2170 CHTGUE 355 9 98.240 0 17.51 1 HODERATE AMPL 2170 CHTGUE 355 9 98.240 0 17.51 1 HODERATE AMPL 2170 CHTGUE 355 9 98.240 0 17.51 1 HODERAT	2170 CHTGUE	304	9	27.900	0	6.76	1		
2170 CHTGUE 308 9 55.160 0 10.03 1 GOOO ONSET 2170 CHTGUE 308 9 55.160 0 11.42 1 GOOO ONSET 2170 CHTGUE 310 9 50.380 0 10.76 1 GOOO ONSET 2170 CHTGUE 311 9 50.380 0 10.76 1 GOOO ONSET 2170 CHTGUE 311 9 57.220 0 11.78 1 HEAK SIGNAL 2170 CHTGUE 313 9 71.540 0 14.12 1 HOOERATE AMPL 2170 CHTGUE 314 9 78.670 0 15.21 1 HOOERATE AMPL 2170 CHTGUE 315 9 85.240 0 16.19 1 HEAK SIGNAL 2170 CHTGUE 316 9 92.810 0 17.63 1 GOOO ONSET 2170 CHTGUE 320 9 105.320 0 19.45 1 HOOERATE AMPL 2170 CHTGUE 320 9 105.320 0 19.45 1 HOOERATE AMPL 2170 CHTGUE 320 9 105.320 0 19.45 1 HOOERATE AMPL 2170 CHTGUE 320 9 209.070 0 37.25 1 VERY MEAK 2170 CHTGUE 333 9 178.220 0 31.30 1 HOOERATE AMPL 2170 CHTGUE 335 9 133.940 0 24.71 1 GOOO ONSET 2170 CHTGUE 335 9 133.940 0 24.71 1 GOOO ONSET 2170 CHTGUE 336 9 123.060 0 22.56 1 HOOERATE AMPL 2170 CHTGUE 337 9 111.660 0 20.55 1 HOOERATE AMPL 2170 CHTGUE 338 9 95.370 0 17.75 1 VERY MEAK 2170 CHTGUE 340 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 341 9 138.660 0 24.71 1 VERY MEAK 2170 CHTGUE 342 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 343 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY MEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY MEAK 2170 CHTGUE 347 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 347 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 347 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 347 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 347 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 347 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 349 9 161.900 0 27.81 1 MEAK SIGNAL 2170 CHTGUE 349 9 162.500 0 25.23 1 WEAK SIGNAL 2170 CHTGUE 349 9 162.500 0 27.81 1 MEAK SIGNAL 2170 CHTGUE 349 9 166.800 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 353 9 92.400 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 MODERATE AMPL 2170 CHTGUE 355 9 98.240 0 17.51 1 MODERATE AMPL 2170 CHTGUE 355	2170 CHTGUE	305	9	33.790	0		ı		GODO DNSET
2170 CHTGUE 308 9 55.160 0 11.42 1 GOOO ONSET 2170 CHTGUE 310 9 50.380 0 10.76 1 GOOO ONSET 2170 CHTGUE 311 9 57.220 0 11.78 1 HEAK SIGNAL 2170 CHTGUE 312 9 64.700 0 13.02 1 HOOERATE AMPL 2170 CHTGUE 313 9 71.540 0 15.21 1 HOOERATE AMPL 2170 CHTGUE 314 9 78.670 0 15.21 1 HOOERATE AMPL 2170 CHTGUE 315 9 85.240 0 16.19 1 HEAK SIGNAL 2170 CHTGUE 316 9 92.810 0 17.63 1 GOOO ONSET 2170 CHTGUE 320 9 105.320 0 19.45 1 HOOERATE AMPL 2170 CHTGUE 329 9 220.160 0 37.25 1 VERY MEAK 2170 CHTGUE 329 9 220.160 0 37.25 1 VERY MEAK 2170 CHTGUE 333 9 178.220 0 31.30 1 HOOERATE AMPL 2170 CHTGUE 333 9 178.220 0 31.30 1 HOOERATE AMPL 2170 CHTGUE 335 9 133.940 0 24.71 1 GOOO ONSET 2170 CHTGUE 336 9 123.060 0 22.56 1 HOOERATE AMPL 2170 CHTGUE 336 9 123.060 0 22.56 1 HOOERATE AMPL 2170 CHTGUE 337 9 111.660 0 20.55 1 HOOERATE AMPL 2170 CHTGUE 338 9 95.370 0 17.75 1 VERY MEAK 2170 CHTGUE 340 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 341 9 138.660 0 24.19 1 VERY MEAK 2170 CHTGUE 344 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 344 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 345 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 346 9 125.020 0 25.35 1 VERY MEAK 2170 CHTGUE 347 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 347 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 347 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 347 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 347 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 347 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 349 9 161.900 0 27.81 1 MEAK SIGNAL 2170 CHTGUE 349 9 162.5020 0 25.23 1 MEAK SIGNAL 2170 CHTGUE 349 9 162.5020 0 25.23 1 MEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 355 9 9	2170 CHTGVE	306	9	40.750	0	8.98	1		GOOO ONSET
2170 CHTGUE 309 9	2170 CHTGUE	307	9	47.090	0	10.03	1		GOOO ONSET
2170 CHTGUE 310 9 50.380 0 10.76 1 GOOD ONSET 2170 CHTGUE 311 9 57.220 0 11.78 1 HEAK SIGNAL 2170 CHTGUE 312 9 64.700 0 13.02 1 HOOERATE AMPL 2170 CHTGUE 313 9 71.540 0 14.12 1 MODERATE AMPL 2170 CHTGUE 314 9 78.670 0 15.21 1 MODERATE AMPL 2170 CHTGUE 315 9 85.240 0 16.19 1 HEAK SIGNAL 2170 CHTGUE 316 9 92.810 0 17.63 1 GOOD ONSET 2170 CHTGUE 320 9 105.320 0 19.45 1 HOOERATE AMPL 2170 CHTGUE 320 9 220.160 0 37.25 1 VERY WEAK 2170 CHTGUE 330 9 209.070 0 35.79 1 HEAK SIGNAL 2170 CHTGUE 333 9 178.220 0 31.30 1 HOOERATE AMPL 2170 CHTGUE 333 9 178.220 0 31.30 1 HOOERATE AMPL 2170 CHTGUE 335 9 133.940 0 24.71 1 GOOD ONSET 2170 CHTGUE 336 9 123.060 0 22.56 1 HOOERATE AMPL 2170 CHTGUE 337 9 111.660 0 29.55 1 HOOERATE AMPL 2170 CHTGUE 338 9 95.370 0 17.75 1 VERY HEAK 2170 CHTGUE 343 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 343 9 156.280 0 27.05 1 VERY HEAK 2170 CHTGUE 343 9 156.280 0 27.05 1 VERY HEAK 2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY HEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY HEAK 2170 CHTGUE 347 9 142.590 0 25.23 1 HEAK SIGNAL 2170 CHTGUE 348 9 161.900 0 27.81 i HOOERATE AMPL 2170 CHTGUE 349 9 176.250 0 30.17 1 HEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 HEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 HEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 HEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 HEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 HEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 HEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 HEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 HEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 HEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 HEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 HEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 HEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 HEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 HEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 HEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 HEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 HEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 HEAK SIGNAL 2170	2170 CHTGUE	308	-	55.160	0		ì		GOOO ONSET
2170 CHTGUE 311 9 57.220 0 11.78 1 MEAK SIGNAL 2170 CHTGUE 312 9 64.700 0 13.02 1 MODERATE AMPL 2170 CHTGUE 313 9 71.540 0 14.12 1 MODERATE AMPL 2170 CHTGUE 314 9 78.670 0 15.21 1 MODERATE AMPL 2170 CHTGUE 315 9 85.240 0 16.19 1 MEAK SIGNAL 2170 CHTGUE 320 9 105.320 0 19.45 1 MODERATE AMPL 2170 CHTGUE 320 9 105.320 0 19.45 1 MODERATE AMPL 2170 CHTGUE 329 9 220.160 0 37.25 1 MEAK SIGNAL 2170 CHTGUE 330 9 209.070 0 35.79 1 MEAK SIGNAL 2170 CHTGUE 333 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 335 9 133.940 0 24.71 1 GDOO ONSET 2170 CHTGUE 336 9 123.960 0 22.56 1 MODERATE AMPL 2170 CHTGUE 336 9 123.960 0 22.56 1 MODERATE AMPL 2170 CHTGUE 337 9 111.660 0 20.55 1 MODERATE AMPL 2170 CHTGUE 338 9 123.960 0 22.56 1 MODERATE AMPL 2170 CHTGUE 334 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 341 9 138.660 0 24.19 1 VERY MEAK 2170 CHTGUE 342 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 343 9 156.400 0 26.53 1 MEAK SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY MEAK 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY MEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 WEAK SIGNAL 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY MEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY MEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY MEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY MEAK 2170 CHTGUE 349 9 176.250 0 30.17 1 WEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 359 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 359 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 359 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 359 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 359 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 NOISY	2170 CHTGUE	309	9	42.550	0		1		GDDO ONSET
2170 CHTGUE 312 9 64.700 0 13.02 1 MODERATE AMPL 2170 CHTGUE 313 9 71.540 0 14.12 1 MODERATE AMPL 2170 CHTGUE 314 9 78.670 0 15.21 1 MODERATE AMPL 2170 CHTGUE 315 9 85.240 0 16.19 1 MEAK SIGNAL 2170 CHTGUE 316 9 92.810 0 17.63 1 GOOO ONSET 2170 CHTGUE 320 9 105.320 0 19.45 1 MODERATE AMPL 2170 CHTGUE 329 9 220.160 0 37.25 1 VERY MEAK 2170 CHTGUE 339 9 209.070 0 35.79 1 MEAK SIGNAL 2170 CHTGUE 333 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 333 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 333 9 123.060 0 22.56 1 MODERATE AMPL 2170 CHTGUE 337 9 111.660 0 20.55 1 MODERATE AMPL 2170 CHTGUE 338 9 123.060 0 22.56 1 MODERATE AMPL 2170 CHTGUE 338 9 95.370 0 17.75 1 VERY MEAK 2170 CHTGUE 340 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 341 9 138.660 0 24.19 1 VERY MEAK 2170 CHTGUE 342 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY MEAK 2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY MEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY MEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY MEAK 2170 CHTGUE 349 9 176.250 0 36.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 36.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 36.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 36.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 36.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 36.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 36.17 1 MEAK SIGNAL 2170 CHTGUE 359 9 88.730 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 359 9 88.730 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 359 9 88.730 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 359 9 88.730 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 359 9 88.730 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 359 9 88.730 0 17.51 1 MODERATE AMPL 2170 CHTGUE 359 9 88.730 0 17.51 1 MODERATE AMPL 2170 CHTGUE 359 9 88.730 0 17.51 1 MODERATE AMPL 2170 CHTGUE 359 9 88.730 0 17.51 1 MODERATE AMPL 2170 CHTGUE 359 9 88.730 0 17.51 1 MODERATE AMPL 2170 CHTGUE 359 9 88.730 0 17.51 1 MODERATE AMPL 2170 CHTGUE 359 9 88.730 0 17.51 1 MODERATE AMPL 2170 CHTGUE 359 9 88.730 0 17.51 1	2170 CHTGUE	310	-	50.380	0	10.76	ţ		GOOO ONSET
2170 CHTGUE 313 9 71.540 0 14.12 1 MODERATE AMPL 2170 CHTGUE 314 9 78.670 0 15.21 1 MODERATE AMPL 2170 CHTGUE 315 9 85.240 0 16.19 1 MEAK SIGNAL 2170 CHTGUE 320 9 105.320 0 17.63 1 GOOO ONSET 2170 CHTGUE 329 9 220.160 0 37.25 1 VERY MEAK 2170 CHTGUE 330 9 209.070 0 35.79 1 MEAK SIGNAL 2170 CHTGUE 333 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 335 9 133.940 0 24.71 1 GOOO ONSET 2170 CHTGUE 335 9 123.060 0 22.56 1 MODERATE AMPL 2170 CHTGUE 336 9 123.060 0 22.56 1 MODERATE AMPL 2170 CHTGUE 337 9 111.660 0 20.55 1 MODERATE AMPL 2170 CHTGUE 338 9 95.370 0 17.75 1 VERY MEAK 2170 CHTGUE 340 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 341 9 138.660 0 24.19 1 VERY MEAK 2170 CHTGUE 342 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY MEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 MEAK SIGNAL 2170 CHTGUE 347 9 142.550 0 25.23 1 WERY MEAK 2170 CHTGUE 347 9 112.500 0 25.23 1 WERY MEAK 2170 CHTGUE 349 9 176.250 0 30.17 1 WERY MEAK 2170 CHTGUE 349 9 176.250 0 30.17 1 WEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 WEAK SIGNAL 2170 CHTGUE 355 9 98.240 G 13.34 1 STRONG SIGNAL 2170 CHTGUE 355 9 98.240 G 13.34 1 STRONG SIGNAL 2170 CHTGUE 355 9 88.730 ^ 17.21 1 NOISY 2180 SWLFLS 309 9 433.500 0 61.77 1 NOISY	2170 CHTGUE	311	9	57.220	0	11.78	1		WEAK SIGNAL
2170 CHTGUE 314 9 78.670 0 15.21 1 MOOERATE AMPL 2170 CHTGUE 315 9 85.240 0 16.19 1 MEAK SIGNAL 2170 CHTGUE 316 9 92.810 0 17.63 1 GOOD ONSET 2170 CHTGUE 320 9 105.320 0 19.45 1 MOOERATE AMPL 2170 CHTGUE 329 9 220.160 0 37.25 1 VERY MEAK 2170 CHTGUE 330 9 209.070 0 35.79 1 MEAK SIGNAL 2170 CHTGUE 333 9 178.220 0 31.30 1 MOOERATE AMPL 2170 CHTGUE 335 9 133.940 0 24.71 1 GOOD ONSET 2170 CHTGUE 335 9 123.060 0 22.55 1 MOOERATE AMPL 2170 CHTGUE 337 9 111.660 0 20.55 1 MOOERATE AMPL 2170 CHTGUE 337 9 111.660 0 20.55 1 MOOERATE AMPL 2170 CHTGUE 337 9 111.660 0 20.55 1 MOOERATE AMPL 2170 CHTGUE 340 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 341 9 138.660 0 24.19 1 VERY MEAK 2170 CHTGUE 342 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 343 9 156.400 0 26.53 1 MEAK SIGNAL 2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY MEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY MEAK 2170 CHTGUE 347 9 142.590 0 25.23 1 WEAK SIGNAL 2170 CHTGUE 348 9 161.900 0 27.81 1 MOOERATE AMPL 2170 CHTGUE 349 9 176.250 0 3G.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 3G.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 3G.17 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 3G.17 1 MEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 MOOERATE AMPL 2170 CHTGUE 359 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 MOOERATE AMPL 2170 CHTGUE 359 9 98.240 0 17.51 1 MOOERATE AMPL 2170 CHTGUE 359 9 88.730 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 MEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 MOOERATE AMPL 2170 CHTGUE 359 9 98.240 0 17.51 1 MOOERATE AMPL 2170 CHTGUE 359 9 88.730 0 17.51 1 MOOERATE AMPL 2170 CHTGUE 359 9 98.240 0 17.51 1 MOOERATE AMPL 2170 CHTGUE 359 9 98.240 0 17.51 1 MOOERATE AMPL 2170 CHTGUE 359 9 98.240 0 17.51 1 MOOERATE AMPL 2170 CHTGUE 359 9 98.240 0 17.51 1 MOOERATE AMPL 2170 CHTGUE 359 9 98.240 0 17.51 1 MOOERATE AMPL 2170 CHTGUE 359 9 98.240 0 17.51 1 MOOERATE AMPL 2170 CHTGUE 359 9 98.240 0 17.51 1 MOOERATE AMPL 2170 CHTGUE 359 9 98.240 0 17.51 1 MOOERATE AMPL 2170 CHTGUE 359 9 98.2	2170 CHTGUE	312	9	64.700	0	13.02	1		MOOERATE AMPL
2170 CHTGUE 315 9 85.240 0 16.19 1 WEAK SIGNAL 2170 CHTGUE 316 9 92.810 0 17.63 1 G000 ONSET 2170 CHTGUE 320 9 105.320 0 19.45 1 WERY WEAK 2170 CHTGUE 339 9 220.160 0 37.25 1 VERY WEAK 2170 CHTGUE 330 9 209.070 0 35.79 1 MEAK SIGNAL 2170 CHTGUE 333 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 335 9 133.940 0 24.71 1 GD00 ONSET 2170 CHTGUE 336 9 123.060 0 22.56 1 MODERATE AMPL 2170 CHTGUE 337 9 111.660 0 20.55 1 MODERATE AMPL 2170 CHTGUE 338 9 95.370 0 17.75 1 VERY WEAK 2170 CHTGUE 340 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 341 9 138.660 0 24.19 1 VERY WEAK 2170 CHTGUE 342 9 156.280 0 27.05 1 VERY WEAK 2170 CHTGUE 343 9 156.400 0 26.53 1 WEAK SIGNAL 2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY WEAK 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY WEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY WEAK 2170 CHTGUE 347 9 142.590 0 25.23 1 WEAK SIGNAL 2170 CHTGUE 348 9 161.900 0 27.81 1 MODERATE AMPL 2170 CHTGUE 348 9 161.900 0 27.81 1 MEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 WEAK SIGNAL 2170 CHTGUE 350 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 353 9 92.400 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 353 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 355 9 88.730 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 88.730 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 88.730 0 17.51 1 NOISY 2180 SWLFLS 308 9 446.490 0 63.19 1 GOOD ONSET 2180 SWLFLS 309 9 433.500 0 61.77 1 NOISY	2170 CHTGUE	313	9	71.540	0	14.12	1		MODERATE AMPL
2170 CHTGUE 316 9 92.810 0 17.63 1 GOOD ONSET 2170 CHTGUE 329 9 220.160 0 37.25 1 VERY MEAK 2170 CHTGUE 339 9 209.070 0 35.79 1 HEAK SIGNAL 2170 CHTGUE 333 9 178.220 0 31.30 1 HODERATE AMPL 2170 CHTGUE 335 9 133.940 0 24.71 1 GOOD ONSET 2170 CHTGUE 335 9 123.060 0 22.56 1 HODERATE AMPL 2170 CHTGUE 337 9 111.660 0 20.55 1 HODERATE AMPL 2170 CHTGUE 338 9 95.370 0 17.75 1 VERY MEAK 2170 CHTGUE 340 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 341 9 138.660 0 24.19 1 VERY MEAK 2170 CHTGUE 342 9 156.280 0 27.05 1 VERY MEAK 2170 CHTGUE 343 9 156.400 0 26.53 1 HEAK SIGNAL 2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY MEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY MEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY MEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY MEAK 2170 CHTGUE 348 9 161.900 0 27.81 i MODERATE AMPL 2170 CHTGUE 349 9 176.250 0 30.17 1 WEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 WEAK SIGNAL 2170 CHTGUE 350 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 359 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 359 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 NOISY	2170 CHTGUE	314	9	78.670	0	15.21	1		MOOERATE AMPL
2170 CHTGUE 320 9 105.320 0 19.45 1 WOOERATE AMPL 2170 CHTGUE 330 9 209.070 0 35.79 1 WEAK SIGNAL 2170 CHTGUE 333 9 178.220 0 31.30 1 MOOERATE AMPL 2170 CHTGUE 335 9 133.940 0 24.71 1 GDOO ONSET 2170 CHTGUE 335 9 123.060 0 22.56 1 MOOERATE AMPL 2170 CHTGUE 337 9 111.660 0 20.55 1 MOOERATE AMPL 2170 CHTGUE 338 9 91.00 0 22.56 1 MOOERATE AMPL 2170 CHTGUE 338 9 95.370 0 17.75 1 VERY WEAK 2170 CHTGUE 340 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 341 9 138.660 0 24.19 1 VERY WEAK 2170 CHTGUE 342 9 156.280 0 27.05 1 VERY WEAK 2170 CHTGUE 343 9 156.400 0 26.53 1 WEAK SIGNAL 2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY WEAK 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY WEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY WEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY WEAK 2170 CHTGUE 348 9 161.900 0 27.81 i WEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 25.23 1 WEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 WEAK SIGNAL 2170 CHTGUE 350 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 350 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 353 9 92.400 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 3	2170 CHTGUE	315	9	85.240	0	16./19	1		WEAK SIGNAL
2170 CHTGUE 329 9 220.160 0 37.25 1 VERY WEAK 2170 CHTGUE 330 9 209.070 0 35.79 1 MEAK SIGNAL 2170 CHTGUE 333 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 335 9 133.940 0 24.71 1 GD00 ONSET 2170 CHTGUE 336 9 123.060 0 22.56 1 MODERATE AMPL 2170 CHTGUE 337 9 111.660 0 20.55 1 MODERATE AMPL 2170 CHTGUE 338 9 95.370 0 17.75 1 VERY WEAK 2170 CHTGUE 340 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 341 9 138.660 0 24.19 1 VERY WEAK 2170 CHTGUE 342 9 156.280 0 27.05 1 VERY WEAK 2170 CHTGUE 343 9 156.400 0 26.53 1 WEAK SIGNAL 2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY WEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY WEAK 2170 CHTGUE 347 9 142.550 0 25.23 1 WEAK SIGNAL 2170 CHTGUE 349 9 161.900 0 27.81 1 MODERATE AMPL 2170 CHTGUE 349 9 176.250 0 30.17 1 WEAK SIGNAL 2170 CHTGUE 350 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 350 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 350 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 350 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 350 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 88.730 0 17.21 1 NOISY 2180 SWLFLS 308 9 446.490 0 63.19 1 GOOD ONSET 2180 SWLFLS 308 9 446.490 0 63.19 1 GOOD ONSET	2170 CHTGUE	316	9	92.810	0	17.63	1		GOOO ONSET
2170 CHTGUE 333 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 335 9 133.940 0 24.71 1 GD00 ONSET 2170 CHTGUE 336 9 123.060 0 22.56 1 MODERATE AMPL 2170 CHTGUE 337 9 111.660 0 20.55 1 MODERATE AMPL 2170 CHTGUE 338 9 95.370 0 17.75 1 VERY WEAK 2170 CHTGUE 340 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 341 9 138.660 0 24.19 1 VERY WEAK 2170 CHTGUE 342 9 156.280 0 27.05 1 VERY WEAK 2170 CHTGUE 343 9 156.400 0 26.53 1 WEAK SIGNAL 2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY WEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY WEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY WEAK 2170 CHTGUE 347 9 142.590 0 25.23 1 WEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 25.23 1 WEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 WEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 359 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 88.730 0 17.21 1 NOISY GOOD ONSET NOISY 2180 SWLFLS 309 9 433.500 0 61.77 1 NOISY	2170 CHTGUE	320	9	105.320	0		1		MOOERATE AMPL
2170 CHTGUE 333 9 178.220 0 31.30 1 MODERATE AMPL 2170 CHTGUE 335 9 123.060 0 24.71 1 GDOO ONSET 2170 CHTGUE 336 9 123.060 0 22.56 1 MODERATE AMPL 2170 CHTGUE 337 9 111.660 0 29.55 1 MODERATE AMPL 2170 CHTGUE 338 9 95.370 0 17.75 1 VERY WEAK 2170 CHTGUE 340 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 341 9 138.660 0 24.19 1 VERY WEAK 2170 CHTGUE 342 9 156.280 0 27.05 1 VERY WEAK 2170 CHTGUE 343 9 156.400 0 26.53 1 WEAK SIGNAL 2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY WEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY WEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY WEAK 2170 CHTGUE 347 9 142.550 0 25.23 1 WEAK SIGNAL 2170 CHTGUE 348 9 161.900 0 27.81 i MODERATE AMPL 2170 CHTGUE 349 9 176.250 0 30.17 1 WEAK SIGNAL 2170 CHTGUE 350 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 350 9 98.240 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 353 9 92.400 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 88.730 0 17.21 1 NOISY 2180 SWLFLS 308 9 446.490 0 63.19 1 GOOD ONSET NOISY 2180 SWLFLS 309 9 433.500 0 61.77 1 NOISY	2170 CHTGUE	329	9	220.160	0	37.25	1		VERY WEAK
2170 CHTGUE 335 9 133.940 0 24.71 1 G000 ONSET 2170 CHTGUE 336 9 123.060 0 22.56 1 MOOERATE AMPL 2170 CHTGUE 337 9 111.660 0 29.55 1 MOOERATE AMPL 2170 CH; GUE 338 9 95.370 0 17.75 1 VERY WEAK 2170 CHTGUE 340 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 341 9 138.660 0 24.19 1 VERY WEAK 2170 CHTGUE 342 9 156.280 0 27.05 1 VERY WEAK 2170 CHTGUE 343 9 156.400 0 26.53 1 WEAK SIGNAL 2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY WEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY WEAK 2170 CHTGUE 346 9 125.020 0 25.23 1 WEAK SIGNAL 2170 CHTGUE 348 9 161.900 0 27.81 i WEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 3G.17 1 WEAK SIGNAL 2170 CHTGUE 350 9 98.240 G 13.34 1 STRONG SIGNAL 2170 CHTGUE 353 9 92.400 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 88.730 0 17.21 1 NOISY 2180 SWLFLS 308 9 446.490 0 63.19 1 GOOD ONSET 2180 SWLFLS 309 9 433.500 0 61.77 1 NOISY	2170 CHTGUE	330	9	209.070	0	35.79	1		WEAK SIGNAL
2170 CHTGUE 336 9 123.060 0 22.56 1 MOOERATE AMPL 2170 CHTGUE 337 9 111.660 0 20.55 1 WOOERATE AMPL 2170 CHTGUE 338 9 95.370 0 17.75 1 VERY WEAK 2170 CHTGUE 340 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 341 9 138.660 0 24.19 1 VERY WEAK 2170 CHTGUE 342 9 156.280 0 27.05 1 VERY WEAK 2170 CHTGUE 343 9 156.400 0 26.53 1 WEAK SIGNAL 2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY WEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY WEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY WEAK 2170 CHTGUE 348 9 161.900 0 27.81 i WEAK SIGNAL 2170 CHTGUE 348 9 161.900 0 27.81 i MOOERATE AMPL 2170 CHTGUE 349 9 176.250 0 30.17 1 WEAK SIGNAL 2170 CHTGUE 350 9 98.240 G 13.34 1 STRONG SIGNAL 2170 CHTGUE 353 9 92.400 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 353 9 92.400 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 88.730 0 17.21 1 NOISY 2180 SWLFLS 308 9 446.490 0 63.19 1 GOOD ONSET NOISY	2170 CHTGUE	333	9	178.220	0	31.30	1		MOOERATE AMPL
2170 CHTGUE 337 9 111.660 0 20.55 1 MOOERATE AMPL 2170 CH; GUE 338 9 95.370 0 17.75 1 VERY WEAK 2170 CHTGUF 340 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 341 9 138.660 0 24.19 1 VERY WEAK 2170 CHTGUE 342 9 156.280 0 27.05 1 VERY WEAK 2170 CHTGUE 343 9 156.400 0 26.53 1 WEAK SIGNAL 2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY WEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY WEAK 2170 CHTGUE 347 9 142.550 0 25.23 1 WEAK SIGNAL 2170 CHTGUE 348 9 161.900 0 27.81 i MODERATE AMPL 2170 CHTGUE 349 9 176.250 0 30.17 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 359 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 359 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 359 9 92.400 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 359 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 359 9 94.400 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 94.400 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 359 9 94.400 0 16.60 1 MODERATE AMPL 2170 CHTGUE 359 9 86.840 0 16.60 1 MODERATE AMPL 2170 CHTGUE 359 9 86.840 0 16.60 1 MODERATE AMPL 2170 CHTGUE 359 9 446.490 0 63.19 1 GOOD ONSET 2180 SWLFLS 309 9 433.500 0 61.77 1 NOISY	2170 CHTGUE	335	9	133.940	0	24.71	1		GDOO ONSET
2170 CH:GUE 338 9 95.370 0 17.75 1 VERY WEAK 2170 CHTGUF 340 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 341 9 138.660 0 24.19 1 VERY WEAK 2170 CHTGUE 342 9 156.280 0 27.05 1 VERY WEAK 2170 CHTGUE 343 9 156.400 0 26.53 1 WEAK SIGNAL 2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY WEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY WEAK 2170 CHTGUE 347 9 142.550 0 25.23 1 WEAK SIGNAL 2170 CHTGUE 349 9 161.900 0 27.81 i MODERATE AMPL 2170 CHTGUE 349 9 176.250 0 30.17 1 WEAK SIGNAL 2170 CHTGUE 350 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 353 9 92.400 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 88.730 0 17.21 1 NOISY 2180 SWLFLS 308 9 446.490 0 63.19 1 GOOD ONSET 2180 SWLFLS 309 9 433.500 0 61.77 1 NOISY	2170 CHTGUE	336	9	123.060	0	22.56	ı		MODERATE AMPL
2170 CHTGUF 340 9 122.940 0 22.34 1 NOISY 2170 CHTGUE 341 9 138.660 0 24.19 1 VERY WEAK 2170 CHTGUE 342 9 156.280 0 27.05 1 VERY WEAK 2170 CHTGUE 343 9 156.400 0 26.53 1 WEAK SIGNAL 2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY WEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY WEAK 2170 CHTGUE 347 9 142.550 0 25.23 1 WEAK SIGNAL 2170 CHTGUE 348 9 161.900 0 27.81 1 WEAK SIGNAL 2170 CHTGUE 349 9 176.250 0 30.17 1 WEAK SIGNAL 2170 CHTGUE 350 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 353 9 92.400 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 88.730 0 17.21 1 WEAK SIGNAL 2170 CHTGUE 355 9 88.730 0 17.21 1 NOISY 2180 SWLFLS 308 9 446.490 0 63.19 1 GOOD ONSET 2180 SWLFLS 309 9 433.500 0 61.77 1 NOISY	2170 CHTGUE	337	9	111-660	0	20.55	1		MODERATE AMPL
2170 CHTGUE 341 9 138.660 0 24.19 1 VERY WEAK 2170 CHTGUE 342 9 156.280 0 27.05 1 VERY WEAK 2170 CHTGUE 343 9 156.400 0 26.53 1 WEAK SIGNAL 2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY WEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY WEAK 2170 CHTGUE 347 9 142.550 0 25.23 1 WEAK SIGNAL 2170 CHTGUE 348 9 161.900 0 27.81 1 MODERATE AMPL 2170 CHTGUE 349 9 176.250 0 3G.17 1 WEAK SIGNAL 2170 CHTGUE 350 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 353 9 92.400 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 88.730 0 17.21 1 WEAK SIGNAL 2170 CHTGUE 355 9 88.730 0 17.21 1 NOISY 2180 SWLFLS 308 9 446.490 0 63.19 1 GOOD ONSET 2180 SWLFLS 309 9 433.500 0 61.77 1 NOISY	2170 CHIGUE	338	9	95.370	0	17.75	ı		VERY WEAK
2170 CHTGUE 342 9 156.280 0 27.05 1 VERY WEAK 2170 CHTGUE 343 9 156.400 0 26.53 1 WEAK SIGNAL 2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY WEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY WEAK 2170 CHTGUE 347 9 142.550 0 25.23 1 WEAK SIGNAL 2170 CHTGUE 348 9 161.900 0 27.81 1 MODERATE AMPL 2170 CHTGUE 349 9 176.250 0 3G.17 1 WEAK SIGNAL 2170 CHTGUE 350 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 353 9 92.400 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 355 9 88.730 0 17.21 1 WEAK SIGNAL 2170 CHTGUE 355 9 88.730 0 17.21 1 NOISY 2180 SWLFLS 308 9 446.490 0 63.19 1 GOOD ONSET 2180 SWLFLS 309 9 433.500 0 61.77 1 NOISY	2170 CHTGUF	340	9	122.940	0	22.34	1		NOISY
2170 CHTGUE 343 9 156.400 0 26.53 1 WEAK SIGNAL 2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY WEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY WEAK 2170 CHTGUE 347 9 142.550 0 25.23 1 WEAK SIGNAL 2170 CHTGUE 348 9 161.900 0 27.81 i MODERATE AMPL 2170 CHTGUE 349 9 176.250 0 30.17 1 WEAK SIGNAL 2170 CHTGUE 350 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 353 9 92.400 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 353 9 92.400 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 354 9 86.840 0 16.60 1 MODERATE AMPL 2170 CHTGUE 355 9 88.730 0 17.21 1 NOISY 2180 SWLFLS 308 9 446.490 0 63.19 1 GOOD ONSET 2180 SWLFLS 309 9 433.500 0 61.77 1 NOISY	2170 CHTGUE	341	9	138.660	0	24.19	ı		VERY WEAK
2170 CHTGUE 344 9 103.040 0 19.02 1 STRONG SIGNAL 2170 CHTGUE 345 9 111.730 0 21.48 1 VERY HEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY HEAK 2170 CHTGUE 347 9 142.550 0 25.23 1 HEAK SIGNAL 2170 CHTGUE 348 9 161.900 0 27.81 i HODERATE AMPL 2170 CHTGUE 349 9 176.250 0 30.17 1 HEAK SIGNAL 2170 CHTGUE 350 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 353 9 92.400 0 17.51 1 HEAK SIGNAL 2170 CHTGUE 353 9 92.400 0 17.51 1 HEAK SIGNAL 2170 CHTGUE 354 9 86.840 0 16.60 1 HODERATE AMPL 2170 CHTGUE 355 9 88.730 0 17.21 1 HODERATE AMPL 2170 CHTGUE 355 9 88.730 0 17.21 1 HODERATE AMPL 2170 CHTGUE 355 9 88.730 0 17.21 1 HODERATE AMPL 2180 SHLFLS 308 9 446.490 0 63.19 1 GOOD ONSET 2180 SHLFLS 309 9 433.500 0 61.77 1 HODISY	2170 CHTGUE	342	9	156.280	0	27.05	1		VERY WEAK
2170 CHTGUE 345 9 111.730 0 21.48 1 VERY HEAK 2170 CHTGUE 346 9 125.020 0 22.35 1 VERY HEAK 2170 CHTGUE 347 9 142.550 0 25.23 1 HEAK SIGNAL 2170 CHTGUE 348 9 161.900 0 27.81 i HODERATE AMPL 2170 CHTGUE 349 9 176.250 0 3G.17 1 HEAK SIGNAL 2170 CHTGUE 350 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 353 9 92.400 0 17.51 1 HEAK SIGNAL 2170 CHTGUE 354 9 86.840 0 16.60 1 HODERATE AMPL 2170 CHTGUE 355 9 88.730 0 17.21 1 HODERATE AMPL 2170 CHTGUE 355 9 88.730 0 17.21 1 HODERATE AMPL 2180 SHLFLS 308 9 446.490 0 63.19 1 GOOD ONSET 2180 SHLFLS 309 9 433.500 0 61.77 1 HODESY	2170 CHTGUE	343	9	156.400	0	26.53	1		WEAK SIGNAL
2170 CHTGUE 346 9 125.020 0 22.35 1 VERY WEAK 2170 CHTGUE 347 9 142.550 0 25.23 1 WEAK SIGNAL 2170 CHTGUE 348 9 161.900 0 27.81 i MODERATE AMPL 2170 CHTGUE 349 9 176.250 0 3G.17 1 WEAK SIGNAL 2170 CHTGUE 350 9 98.240 0 13.34 1 STRONG SIGNAL 2170 CHTGUE 353 9 92.400 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 354 9 86.840 0 16.60 1 MODERATE AMPL 2170 CHTGUE 355 9 88.730 0 17.21 1 NOISY 2180 SWLFLS 308 9 446.490 0 63.19 1 GOOD ONSET 2180 SWLFLS 309 9 433.500 0 61.77 1 NOISY		344	9	103-040	0	19.02	1		STRONG SIGNAL
2170 CHTGUE 347 9 142.550 0 25.23 1 MEAK SIGNAL 2170 CHTGUE 348 9 161.900 0 27.81 i MODERATE AMPL 2170 CHTGUE 349 9 176.250 0 3G.17 1 WEAK SIGNAL 2170 CHTGUE 350 9 98.240 G 13.34 1 STRONG SIGNAL 2170 CHTGUE 353 9 92.400 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 354 9 86.840 0 16.60 1 MODERATE AMPL 2170 CHTGUE 355 9 88.730 0 17.21 1 NOISY 2180 SWLFLS 308 9 446.490 0 63.19 1 GOOD ONSET 2180 SWLFLS 309 9 433.500 0 61.77 1 NOISY	2170 CHTGUE	345	9	111.730	0	21.48	1		VERY WEAK
2170 CHTGUE 348 9 161.900 0 27.81 i MODERATE AMPL 2170 CHTGUE 349 9 176.250 0 3G.17 1 WEAK SIGNAL 2170 CHTGUE 350 9 98.240 G 13.34 1 STRONG SIGNAL 2170 CHTGUE 353 9 92.400 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 354 9 86.840 0 16.60 1 MODERATE AMPL 2170 CHTGUE 355 9 88.730 0 17.21 1 NOISY 2180 SHLFLS 308 9 446.490 0 63.19 1 GOOD ONSET 2180 SHLFLS 309 9 433.500 0 61.77 1 NOISY	2170 CHTGUE	346	9	125.020	0	22.35	ı		VERY WEAK
2170 CHTGUE 349 9 176.250 0 3G.17 1 WEAK SIGNAL 2170 CHTGUE 350 9 98.240 G 13.34 1 STRONG SIGNAL 2170 CHTGUE 353 9 92.400 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 354 9 86.840 0 16.60 1 MODERATE AMPL 2170 CHTGUE 355 9 88.730 0 17.21 1 NOISY 2180 SHLFLS 308 9 446.490 0 63.19 1 GOOD ONSET 2180 SHLFLS 309 9 433.500 0 61.77 1 NOISY	2170 CHTGUE	347	9	142.590	0	25.23	ı		WEAK SIGNAL
2170 CHTGUE 350 9 98.240 G 13.34 1 STRONG SIGNAL 2170 CHTGUE 353 9 92.400 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 354 9 86.840 0 16.60 1 MODERATE AMPL 2170 CHTGUE 355 9 88.730 0 17.21 1 NOISY 2180 SHLFLS 308 9 446.490 0 63.19 1 GOOD ONSET 2180 SHLFLS 309 9 433.500 0 61.77 1 NOISY	2170 CHTGUE	348	9	161.900	0	27.81	i		MODERATE AMPL
2170 CHTGUE 353 9 92.400 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 354 9 86.840 0 16.60 1 MODERATE AMPL 2170 CHTGUE 355 9 88.730 0 17.21 1 NOISY 2180 SHLFLS 308 9 446.490 0 63.19 1 GOOD ONSET 2180 SHLFLS 309 9 433.500 0 61.77 1 NOISY		349	9	176.250	0	30.17	1		WEAK SIGNAL
2170 CHTGUE 353 9 92.400 0 17.51 1 WEAK SIGNAL 2170 CHTGUE 354 9 86.840 0 16.60 1 MODERATE AMPL 2170 CHTGUE 355 9 88.730 0 17.21 1 NOISY 2180 SHLFLS 308 9 446.490 0 63.19 1 GOOD ONSET 2180 SHLFLS 309 9 433.500 0 61.77 1 NOISY		350	9	98.240	Ģ	13.34	1		STRONG SIGNAL
2170 CHTGUE 355 9 88.730 0 17.21 1 NOISY 2180 SWLFLS 308 9 446.490 0 63.19 1 GOOD ONSET 2180 SWLFLS 309 9 433.500 0 61.77 1 NOISY		353	9	92.400	0		1		WEAK SIGNAL
2180 SWLFLS 308 9 446.490 0 63.19 1 GOOD ONSET 2180 SWLFLS 309 9 433.500 0 61.77 1 NOISY			9		_		1		
2180 SWLFLS 309 9 433.500 0 61.77 1 NOISY			9	88.730	^	17.21	1		NOISY
		308	9	446.490	0		1		GOOD ONSET
			9	433.500	0	61.77	ì		NOISY
	2180 SWLFLS	310	9	441.470	0		1		NCISY

ST	ATION	SHOT	R	RANGE	T	TIME	ρ	VEL.	
NO	NAME		••	KM.	•	SEC.	•		COMMENT
	_								
2180	SWLFLS	311	9	448.160	0	63.39	1		NOISY
2180	SWLFLS	312	9	456.120	Ŏ		1		WEAK SIGNAL
2180	SALFLS	313	9	463.110	Ó	65.77	1		VERY NOISY
2180	SHLFLS	316	9	484.500	Ō		1		GOOD ONSET
2180	SHLFLS	605	9	203.100	Ō		1		MODERATE AMPL
2180	SWLFLS	606	9	203.100	0		1		MODERATE AMPL
2180	SWLFLS	801	9	510.730	0	70.10	1		GOOD ONSET
UNI	VERSITY	OF T	ULSA						
3002	PLATA	303	9	168.802	1	28.58	1		PN FAIR
3002	PLATA	303	9	168.802	1	29.95	2		STRONG
3002	PLATA	304	9	177.249	1	29.37	1		PN GDOO
3002	PLATA	304	9	177.249	1	31.10	2		STRONG
3002	PLATA	305	9	183.645	1	30.50	1		PN G000
3002	PLATA	305	9	183.645	1	32.25	2		FAIR
3002	PLATA	306	9	190.972	1	31.71	1		PN G000
3002	PLATA	306	9	190.972	1	33.80	2		STRONG
3002			9	197.534	1	31.88	1		PN G000
3002	PLATA	307	9	197.534	1	34.31	2		STRONG
3002	PLATA	308	9	205.904	1	33.28	1		PN G000
3002	PLATA	308	9	205.904	1	35.50	2		STRONG
3002	PLATA	309	9	192.946	1		1		PN POOR
3002	PLATA	309	9	192.946	1	32.36	0		WEAK
3002	PLATA	309	9	192.946	1	33.28	2		STRONG
3002	PLATA	309	9	192.946	1	33.52	0		STRONG
3002	PLATA	310	9	200.927	1	32.23	1		PN POOR
3002	PLATA	310	9	200.927	1	34.74	2		STRONG
3002	PLATA	311	9	207.669	1	33.30	1		PN POOR
3002	PLATA	311	9	207.669	1	36.00	2		STRONG
3002	PLATA	312	9	215.546	1	34.21	1		PN POOR
3002	PLATA	312	9	215.546	1	37.22	2		FAIR
3002	PLATA	312	9	215.546	1	42.44	4		FAIR
3002	PLATA	313	9	222.511	1	38.10	3		WEAK
3002	PLATA	313	9	222.511	1	38.38	2		FAIR
3002	PLATA	313	9	222.511	1	43.40	4		FAIR
3002	PLATA	314	9	229.606	1	38.92	3		FAIR
3002	PLATA	314	9	229.606	1	39.55	2		FATR
30 02	PLATA	314	9	229.606	1	44.30	4		FAIR
3 0 02	PLATA	315	9	236.296	1	39.80	3		WEAK
3002	PLATA	315	9	236-296	1	40.37	2		FAIR
3002	PLATA	315	9	236,296	1	44.17	5		FAIR
3002	PLATA	315	9	236.296	ı	44.36	4		STRONG
3002	PLATA	316	9	243.913	1	41.15	3		WEAK
3002	PLATA	_	9	243.913	i.	41.80	2		WEAK
3002	PLATA		9	243.913	Ţ		5		STRONG
3002		316	9	243.913	1	46.05			STRONG
3002	PLATA	320	9	256.457	1	42.74	3		WEAK
3002	•	320	9	256.457	1	43.58	2		WEAK
3002	PLATA	320	9	256.457	1	46.74	4		FAIR
3002		320	9	256.457	1		5		FAIR
3002	PLA"	32?	9	385.267	1		6		MEAK
3 0 0 2	PLATA	322	9	385.267	1	58.85	7		FAIR

STA	TION	SHOT	R	RANGE	T	TIME	ρ	VEL.	
NU	NAME	•		KM.	•	SEC.	•		COMMENT
.,,				*****		3444			
3002	PLATA	322	y	385.267	1	60.10	4		WEAK
3002	PLATA	322	9	385.267	ī	60.94	8		FAIR
3002	PLATA	323	9	405.786	ī	56.96	ì		PN POOR
3002	PLATA	323	9	405.786	ī	61.84	4		WEAK
3002	PLATA	323	9	405.786	ī	63.15	8		WEAK
3002	PLATA	324	")	426.987	ī	66.70	8		WEAK
3002	PLATA	326	9	469.037	ī	68.65	7		FAIR
3002	PLATA	327	9	437.187	ì	63.78	6		WEAK
3002	PLATA	327	9	437.187	l	64.82	7		WEAK
3002	PLATA	327	9	437.187	ī	65.42	4		WEAK
3002	PLATA	327	9	437.187	ì	67.28	8		FAIR
3002	PLATA	328	9	426.567	1	62.54	6		FAIR
3002	PLATA	328	9	426.567	1	63.60	7		STRONG
3002	PLATA	328	9	426.567	ī	64.45	4		WEAK.
3002	PLATA	328	9	426.567	i	66.20	8		FAIR
3002	PLATA	329	9	371.621	ì	55.75	6		WEAK
3002	PLATA	329	9	371.621	ī	57.15	7		FAIR
3002	PLATA	329	9	371.621	ī	58.66	4		FAIR
3002	PLATA	329	9	371.621	ī	59.26	8		STRONG
3002	PLATA	329	9	371.621	ī	61.55	2		WEAK
3002	PLATA	330	9	360.566	ī	56.23	7		STRONG
3002	PLATA	330	9	360.566	ī	57.97	4		FAIR
3002	PLATA	330	9	360.566	ī	58.30	8		STRONG
3002	PLATA	330	9	360.566	ī	60.10	2		WEAK
3002	PLATA	330	9	360.566	i	63.00	5		WEAK
3002	PLATA	332	9	352.574	i	56.90	4		WEAK
3002	PLATA	332	9	352.574	ì	57.00	8		FAIR
3002	PLATA	332	9	352.574	ī	61.50	5		WEAK
3002	PLATA	333	9	329.580	ī	54.00	4		WEAK
3002	PLATA	333	9	329.580	i	54.45	ż		WEAK
3002	PLATA	333	9	329.580	i	57.35	5		WEAK
3002	PLATA	334	9	306.797	i	44.87	ź		WEAK
3002	PLATA	334	9	306.797	ī	45.58	4		WEAK
3002	PLATA	334	9	306.797	ì	48.25	5		FAIR
3002	PLATA	335	9	285.190	i	42.68	i		PN POOR
3002	PLATA	335	9	285.190	i	48.05	Ž		WEAK
3002	PLATA	335	9	285.190	ī	49.86	4		FAIR
3002	PLATA	335	9	285.190	ī	51.70	5		WEAK
3002	PLATA	337	9	262.802	ī	43.57	3		WEAK
3002	PLATA	337	9	262.802	i	44.55	2		WEAK
3002	PLATA	337	9	262.802	i	46.80	4		FAIR
3002	PLATA	337	9	262.802	ì	48.34	5		FAIR
3002	_	603	9	57.643	i	11.17	í		GOOD
3002	PLATA		9	57.643	i	11.90	ž		FAIR
3002	PLATA		9	57.643	i	13.94	3		FAIR
3002	PLATA		9	57.643	ī	15.26	4		FAIR
3002	PLATA		9	57.643	i	18.20	5		FAIR
3002	PLATA		9	57.219	i	11.85	í		GOOD
3002	PLATA		9	57.219	i	12.53	ż		FAIR
3002.	PLATA		9	57.219	i	12.97	3		FAIR
			-		-	,,	-		

STA	ATION	SHOT	R	RANGE	T	TIME	ρ	VEL.	
NO	NAME			KM.	-	SEC.		KM/SEC	COMMENT
3002	PLATA		9	57.219	1	13.85	•		FAIR
3002	PLATA		g	57.219	1	14.57			FAIR
3002	PLATA		9	57.219	1	15.83	6		FAIR
3002		604	9	57.219	ı	19.14	7		FAIR
3002		605	9	184-824	ļ	30.65	1		GOOD FAIR
3002	. –	605	9	184-824	1	31.68 8.72	2		G000
3002	PLATA		9	39.113 39.113	1		1		G000
3002 GEDR	PLATA	5 T ! TU		OF TECHNOL		0.42	•		0000
	GEBTEC		8	212.089	0	32.43	1		FAIR
	GEOTEC	304	8	220.538	ō		i		FAIR
3102	SHELL	304	8	220.538	Ö	34.55	i		FAIR
3102	GEOTEC	305	5	226.945	ŏ	34.44	i		POOR
3102	SHELL		8	226.945	ō	34.77	i		FAIR
3102	GEOTEC	306	8	234.280	ŏ	35.32	ī		POOR
3102	SHELL	306	8	234.280	ŏ	34.62	ī		POOR
3102	GEOTEC	307	8	240-844	ŏ	36.61	ī		FAIR
3102	SHELL	307	8	240.844	ō	36.53	ī		FAIR
3102	GEOTEC	308	8	249.271	Ō	37.65	l		GOOD
3102	SHELL	308	8	249.271	ō	37.70	ī		FAIR
3102	GEOTEC	309	8	236.280	ō	35.95	i		POOR
3102	SHELL	309	8	236.280	Ō	36.17	ı		FAIR
3102	GEOTEC	310	8	244.250	0	36.96	1		POOR
3102	SHELL	310	B	244.250	0	37.24	l		FAIR
3102	GEOTEC	311	8	250.929	0	36.83	ı		POOR
3102	SHELL	311	8	250.929	0	39.43	ı		POOR
3102	GEOTEC	312	8	258.891	0	39.56	ı		POOR
3102	SHELL	312	8	258.891	0	39.61	ı		FAIR
3102	GEOTEC	313	8	265.893	0	43-77	l		POOR
3102	SHELL	313	8	265.893	0	43.74	1		FAIR
3102	GEOTEC	314	8	272.941	0	44.51	ı		GOOD
3102	SHELL	314	8	272.941	0	44.62	ı		FAIR
3102	GEOTEC	315	8	279.649	0		1		
3102	SHELL	315	B	279.649	0		1		FAIR
3102	GEOTEC	316	8	287.279	0	46.53	1		POOR
3102	SHELL	316	8	287.279	0	46.82	1		FAIR
3102	GEOTEC	320	8	299.807	0	48.72	i		G000
3102	SHELL	320	8	299.807	0	48.83	1		FAIR
	GEOTEC	322	3	428.718	0		1		
	GEOTEC	323	8	449.209	0		1		
3102	GEOTEC	324	8	470.472	0	72 04	1		FAIR
	GEOTEC	326	8	512-647	0	72.86	l		
3102		326 327	8	512.647 480.694	0	72.74	l l		POOR
3102		328	8 8	470-055	0	66.43	ì		POOR
3102	SHELL	328	8	470-055	0	67.69	i		POOR
3102	SEOTEC	329	8	415.059	Ö	61.43	i		FAIR
3102	SHELL	329	3	415.059	Ö	62.57	i		POOR
	GEOTEC	330	8	404.049	ŏ	60.79	i		GOOD
	GEOTEC	331	8	396.654	ō		i		-
3102	SHELL	331	8	396.654	ŏ	54.32	i		POOR
			_		_		_		

STATION NO NAME	SHOT	R	R ANGE KM.	7	TIME P SEC.	VEL. KM/SEC	COMMENT
3102 GEOTEC	332	8	395.976	0	59.87 1		FAIR
3102 GEDTEC	333	8	372.953	ō	56.95 1		POOR
3102 GEOTEC	334	8	350.163	ō	53.04 1		POOR
3102 SHELL	334	8	350.163	0	52.83 1		POOR
3102 GEDTEC	335	8	328.547	0	1		
3102 SHELL	335	8	328.547	0	51.80 1		FAIR
3102 GEOTEC	336	8	317.696	0	50.34 1		POOR
3102 SHELL	336	8	317.696	0	52.04 1		FAIR
3102 SEOTEC	337	8	306.141	0	46.56 1		POOR
3102 SHELL	337	8	306.14:	0	47.79 1		POOR
3102 SHELL	338	8	280.824	0	43.83 1		POOR
3102 SHELL	341	8	298.697	0	49.39 1		POOR
3102 SHELL	343	8	306.977	0	45.01 1		POOR
3102 SHELL	344	8	287.481	0	47.19 1		FAIR
3102 SHELL	345	8	287.839	0	44.85 1		POOR
3102 SHELL	346	8	290.693	0	43.04 1		POOR
3102 SHELL	347	8	303.280	0	47.70 1		POOR
3102 SHELL	348	8	313.129	0	51.25 1		FAIR
3102 SHELL	349	8	322.296	0	53.09 1		FAIR
3102 SHELL	350	8	284.057	0	46.22 1		FAIR
3102 SHELL	353	8	284.353	0	46.51 1		FAIR
3102 SHELL	354	8	282-440	0	46.04 1		FAIR
3102 SHELL	355	8	283-225	0	44.80 1		POOR
3102 GEDTEC	603	8	102-024	0	17.54 1		POOR
3102 SHELL	603	8	102.024	0	17.52 1		FAIR
3102 SHELL	604	8	101-657	0	17.33 1		FAIR
3102 GEOTEC	604	8	101-657	0	17.34 1		GOOD
3102 GEOTEC	406	8	154.705	0	24.92 1		FAIR
3102 SHELL	606	8	154.705	0	25.83 1		POOR
3102 SHELL	607	8	82.904	0	14.17 1		FAIR
3102 GEOTEC	607	8	82.904	0	14-10 l		FAIR
3102 SHEL	608	8	82.904	0	14.17 1		FAIR
3102 GEOTEC	728	8	459.351	0			
3102 GEOTEC	729	6	430.587	0			
3102 GEUTEC	731	8	751-824	0			
3103 GEOTEC	338	8	176-855	0	1		
3103 GEOTEC	340	8	136, 439	0	23.84 1		FAIR
3103 GEOTEC	341	8	116.986	0	20.59 1		FAIR
3103 GEOTEC	342	8	1 . 18	0	17.79 1		FAIR
3103 GEOTEC	343	8	9- 801	0	17.73 1		GOOD
3103 GEOTEC	344	8	284-117	0	42.19 1		G00 0
3103 GEOTEC	345	8	303.043	0	44.26 1		G00 0
3103 GEOTEC	346	8	324-258	0	46.22 1		FAIR
3103 GEOTEC	347	8	341.560	0	48.10 1		FAIR
3103 GEOTEC 3103 GEOTEC	348 349	8 8	364.540	0	50.98 1		FAIR
3103 GEOTEC	350	8	379.943 278.882	0	52.29 1		GOOD
3103 GEOTEC	353	8	259.219	0	41.56 1		GOOD
3103 GEOTEC	354	8	231.383	0	39.27 1 35.82 1		FAIR GOOD
3103 GEOTEC	355	8	211.520	0	33.60 1		G00D
0.0166	,,,	0	2114760	U	33.00 I		0000

STATION	SHOT	R	RANGE	Ŧ	TIME SEC.	P	VEL.	COMMENT
NU NAME			KM.		366.		KIII JEC	COMMENT
3103 GEOTE		8	188.395	0	33.41	1		POOR
PENNSYLVA			UNIVERSIT	Y				
	U 303	9	115.635	0	20.66	l		
3203 PS		9	124.072	0	22.22	1		
3203 PS	_	9	130.472	0	23.34	ı		
3203 PS		9	137.807	0	24.65	0		
3203 PS		9	144.369	0	25.40	l		
3203 PS		9 9	152.808 139.814	0	26.58 24.90	l l		
3203 PS		9	147.775	0	26.06	i		
3203 PS		9	154.423	Ö	26.90	i		
3203 PS		9	162.412	Ö	27.98	i		
3203 PS		9	169.420	Ü	28.80	i		
3203 PS		9	169.420	ō	29.59	2		
3203 PS		9	176.447	0	30.50			
3203 PS		9	183.160	0	31.36	0		
3203 PS	116	4	190.789	0	32.43	0		
3203 PSI	320	9	203.306	0	34.50	0		
3203 PS		9	416.189	0	61.88	0		
3203 PSI		9	384.201	0	57.51	0		
3203 PSI		9	373.556	0	56.26	0		
3203 PSI		9	318.555	O	49.89	_		
		9	307.563	0	49.00	0		
3203 PSI		9	276.443	0	46.23	3		
3203 PSI		9	253.650	0	42.88	0		
		9	232.039	0	36.91	1		
3203 PSI		9 9	232.039 221.201	0	38.56	2		
3203 PSI 3203 PSI		9	184.828	0	37.24 29.66			
3203 PS		9	209.641	Ö	33.13	ì		
3203 PS		ý	209.641	Ö	35.06	ż		
3203 PSI	_	9	209.641	Ö	35.45	3		
3203 PSI		9	184.828	ō	31.63			
3701 PSI	-	9	198.826	0	31.89	ì		
3203 PSI		9	208.042	0	32.70	i		
3203 PSI	1 341	9	208.042	0	34.99	2		
3203 PSI	1 347	9	219.297	O	34.19	ı		
3203 P50	1 343	9	219.110	0	34.24	1		
4574 b21		7	196.981	U	33.20	0		
3203 PSI		9	200.446	0	33.88	0		
2503 B21		9	207.267	O	34.92	O		
3203 PSI		9	222.213	0	37.26	0		
1203 P\$1		3	236.172	0	39.19			
3203 PS (y)	247.792	0		1		
3203 PSI	_	4) G	247.792	0	40.98	2		
3203 PSI		y Y	192.973 192.973	0	30.70	0		
1201 PSI		9	190.808	0	32.88 32.48	0		
3203 PSI		9	186.687	Ö	31.97			
3203 PSI		9	186.743	Ö	31.95	Ö		
3203 PS		9	122.831	ŏ	22.80	ĭ		
_	_			_		-		

STATION	SHUT	R	RANGE	T	TIME P	VEL.
NU NAME			KM.		SEC.	KM/SEC COMMENT
337.3	44.3	_	14 017	_	3 61 1	
	603 604	9	16.077 16.618	0	3.81 1 3.80 1	
	505	9	208.399	Ö	33.77 1	
	606	9	208.399	Č	33.81 1	
	607	9	17.656	ŏ	4.31 1	
	608	9	17.656	Ö	4.24 1	
UNIVERSITY				-		
3350 BWATER	303	8	105.883	0	19.41 1	
3350 BWATER	304	8	114.121	0	20.51 1	
	305	8	120.347	()	21.54 1	
	306	8	127.435	0	22.81 1	
3350 BWATER	307	8	133.832	0	23.84 1	
	308	8	141.924	0	24.92 1	
3350 BWATER		8	129.308	0	23.09 1	
3350 BWATER		8	137.141	0	24.43 1	
	312	8	151.475	0	26.52 1	
3350 BWATER	313 314	A B	158.268 165.389	0	27.44 l 28.53 l	
	315	-8	171.931	0	29.30 1	
	316	A	179.458	Ö	30.37 1	
	320	8	291.911	ŏ	32.38 1	
JJ50 BWATER	323	8	340.358	ŏ	52.39 0	
3350 BHATER			403.055	Ŏ	56.32 1	
	327	8	371.489	0	55.46 0	
	32H	8	360.932	0	54.56 0	
3350 HWATER	329	8	306.230	0	50.84 0	
3350 RWATER	3 3 0	8	295.107	0	48.82 0	
3350 HWATER	332	8	287.326	0	44.33 0	
3350 HWATER	333	8	264.494	0	44.39 0	
3350 BWATER		8	241.871	ŋ	37.13 1	
3350 BWATER		8	220.390	0	35.37 1	
	336	8	209.521	0	33.10 1	
	337	8	198.249	0	33.59 0	
	338	8	180-241	0	30.67 0	
3350 RWATER		3	201.392	0	33.64 0	
3350 BWATER 3350 BWATER	341 342	8	213.617 227.690	0	35.34 0 35.15 1	
3350 BWATER		8	227.622	Ö	35.06 1	
	344	8	172.966	0	28.47 1	
	346	8	177.917	ŭ	30.64 0	
	347	a	191.730	ō	32.43 0	
JISO BWATER	348	8	204.078	O	34.17 0	
3350 BWATER	349	8	214.951	0	35.79 0	
3350 BWATER	353	6	170.710	0	28.76 1	
3350 BWATER	354	8	171-541	U	30.21 0	
3350 BWATER	355	8	175.376	O	28.40 1	
3351 TAYLUR	303	B	259.252	0	38.01 1	
3351 TAYLUR	304	8	267.633	0	39.51 1	
3351 TAYLOR	305	8	273.963	Ô	40.44 1	
3351 TAYLUR 3351 TAYLUR	306	8	281-168	0	41-11 1	
3351 TAYLOR	307	8	287.646	0	42.14 1	

NORTHERN PROFILES: LAND STATIONS

STATIOM	SHOT	R	RANGE	Ţ	3M17	P	VEL.	
NU NAME			KM.		SEC.		KW\2FC	COMMENT
3351 TAYLOR	308	8	295.856	0	43.57	1		
3351 TAYLUR	309	8	283.087	0		ì		
3351 TAYLOR	310	8	290.995	0	44.73	0		
3351 TAYLUR	311	8	297.829	0	43.44	ı		
3351 TAYLOR	312	8	305.457	0	44.82	ì		
3351 TAYLOR	313	8	312.313	0	49.94	0		
3351 TAYLUR	314	8	319.440	0	46.63	l		
3351 TAYLUR	315	8	326.026	0		ì		
3351 TAYLUR	316	8	333.585	0	2 1 1 1 1	1		
3351 TAYLUR	320	8	346.069	0		0		
3351 TAYLOR	322	8	474-025	0		0		NOISY
3351 TAYLOR	323	8	494.579	6	_	0		
3351 FAYLOR	324	5	515.537	0	73.70			
3351 TAYLOR	326	8	557.139	0	78.22			
3351 TAYLUN	327	H	525.659	0	74.06			
3351 TAYLOR	328	8	515.118	0		0		
3351 TAYLOR	329	8	160.464	0	66.74			
3351 TAYLUR	330	8	449.338	0	65.72	_		
3351 TAYLUR	331	8	442.195	0		0		
3351 TAYLUR	332	8	441.571	0		0		
3351 TAYLOR	333	8	418.740	0		0		
3351 TAYLUR	334	8	396.106	0		0		
3351 TAYLON	335	6	374.605	0	53.77	1		
3351 TAYLUR	336	8	363.729	0	51.60	1		
3351 TAYLOR	337	8	357.414	0	50.99	1		
3451 TAYLUA	338	8	331.920	0	47.97	i		
3351 TAYLUR	340	8	347.386	0		0		
3351 TAYLUR	341	8	356.174	0	50.44 51.40	l l		
3351 TAYLUR 3351 TAYLOR	342 343	8	366.373 366.130	ő		ì		
3351 TAYLOR 3351 TAYLOR	344	8	321.634	Ö	46.97	ì		
	345	8	318.318	Ö	47.33	_		
3351 TAYLOR 3351 TAYLUR	346	8	316.972	Ö	50.34			
3351 TAYLOR	347	8	326.821	ŏ		Ö		
3351 TAYLUR	348	8	332.538	ŏ		Ö		
3351 TAYLOR	349	8	339.201	ŏ		ŏ		
3351 TAYLUR	350	8	319.047	ō		ō		
3351 TAYLOR	353	8	322.926	ō		ì		
3351 TAYLUR	354	8	325.644	ō	49.11	ō		
3351 TAYLUR	355	8	329.499	0		1		
3351 TAYLOR	356	8	270-440	0	44.20			
3352 BURNUR	303	9	284.862	0	42.71	1		
3352 BURNBA	304	8	293.194	0	43.81	ì		
3352 BURNBR	305	8	299.481	G	43.94	1		
3352 BURNHR	306	8	306.630	0	45.21	i		
3352 BURNBR	307	8	313.064	0	45.84	ı		
3352 BURNBR	30H	8	321.197	0	46.72	1		
3352 BURNBK	309	8	308.524	0	45.44	1		
3352 BURNOR	310	8	316.389	0	45.18	l		NOISY
3352 BURNBR	312	R	330.760	0	48.42	l		

-

STATION	SHOT	R	RANGE	Ţ	TIME	Р	VEL.	
NO NAME			KM.		SEC.		KM, SEC	COMMENT
				_		_		
3352 BURNAR		8	351.219	0	50.70			
3352 BURNBR		8	498.615	0	71.26			
3352 BURNUR 3352 BURNHR		8	519.150 539.997	0	73.39			LINU BAO
3352 BURNER		8 8	581.389	0	81.32			WWY BAD
							CAL APPL	ICATIONS CENTER
4104 UPSTRT		9	280.391	1	42.46		0 A V V L	FAIRLY SOOD
4104 UPSTRT		9	296.075	i	43 57			
4104 UPSTAT	349	9	308.484	1	45.45			
4106 UPSTRT	344	8	226.205	1	36.19			BETTER THAN 345.346
4106 UPSTRT	345	9	232-103	1	37.28	1		UNCERTAIN ONSET
4106 UPSTRT		9	241-147	1	40.15			
4108 UPSTRT		9	177 951	1	30.70			GOOD
4108 UPSTRT		9	171.471	1	29.70			GOOD
4108 UPSTRE		9	161.694	1	28.66	-		FAIR
4108 UPSTRT		9	157.856	1	27.55			PICK MAY BE EARLY
4112 UPSTRT 4112 UPSTRT		9	173.0^1 167.,04	1	29.66			
4114 UP THT		9	147.366	1	26,07	_		
	342	9	151.930	ì	26.28			
	343	ģ	151.523	i	26.47			
4118 UPSTRT		9	275.008	ì	476			
4118 UPSTRT		9	254.926	ī	35.86	_		
4118 UPSTRT		9	236.565	1	38.80	1		
+118 UPSFRT		9	227.932	1	36.90			
4118 UPSTR:	331	9	217.825	1	34.80	ı		
4122 UPSTRT	306	9	245.853	1	38.15	1		
4122 UPSTRT		9	250.111	1	38.03			F!
4122 UPSTRT		9	256.212	1	39.39			
4122 UPSTAT		9	140.284	1	23.26			
4122 UPSTRT		9	140.284	1	23.28			
4124 UPSTRT 4124 UPSTRT		9	204.363	1	32.96			
4124 UPSTRT		9	189.424 190.146	l 1	30.76			BE7 'EB THAN 403
4126 UPSTRT		9	373.226	1	55.60			BETTER THAN 603
4126 UPSTRT		ģ	363.409	i	54.55			
	329	ģ	314.680	i	48.87			
4126 UPSTAT		9	306.132	ì	47.63			
4128 UPSTRT		9	287.822	1	46.65			POOR
4128 UPSTRI	323	9	304.881	1	48.33	ı		POOR
	324	9	324.154	l	51.50	1		
	326	9	364.808	1	56.57	l		
4132 UPSTRT		9	265-007		40.65			
4132 UPSTRT		9	269.220	ì	41.09			
4132 UPSTRT 4132 UPSTRT		9	271.866	1	41.52			
	314	9	277.768	1	41.98			
4134 UPSTAC		9 9	256.702 260.987	1	38.92 39.45			
4134 UPSTRT		9	265.665	ì	40.29			
4134 UPSTRT		ģ	217.927	i	34.52			FAIR
4134 UPSTRT	608	9	217.927	ĭ	34.25	1.		

W. Tall

٠.

51	ATION	SHOT	R	RANGE	Ŧ	TIME	P	VEL.	
NO	NAME			KM.		SEC.		KM/SEC	COMMENT
4136	UPSTRT	320	9	243.686	1	38.48	ı		FAIR
4202	ZULU	305	9	284.541	ı	42.74	ı		COOD
4202	ZULU	306	9	287.613	1	43.64	1		6000
4202	ZULU	308	9	294.679	ı	44.16			VERY GOOD
4202	ZULU	605	9	201.709	ı	32.30	ı		FAIR CHECKED
4.792	žULU	606	4	208.709	1	32.41	ı		FAIR CHECKED
4204	ZULU	303	9	259.096	ı	39.60	ı		
4204	ŽULU	304	9	261.377	ı	39.78	ı		QUESTIONABLE
4204	ZULU	EU3	4	261-131	1	39.62	ı		G000
4204	ZULU	604	9	261.884	ı	40.54	ı		G00 0
4206	ZULU	320	9	267.920	1	40.99	ı		
4208	ZULU	321	9	361-464	1	53,51	1		UNCERTAIN
4208	ZULU	329	Ģ	310.028	ı	46.34	ı		MAY BE EARLIER
4208	ZULU	330	9	303.260	Ł	45.66	1		UNCERTAIN
4222	ZULU	313	9	287.505	1	42.92	ı		FAIR
4222	LULU	314	ç	288.676	1	43.04	1		VERY GOOD
4222	₹ .U	315	9	291-162	ı	43.71	ı		FAIR
422?	ZULU	316	9	293.770	ı	44.09	ı		6000
422 4	ZULU	326	9	391.460	1	54.27	ı		POOR
	ZULU	331	9	310.255	1	45.61	1		UNCERTAIN
4224	ZULU	332	9	309-, 496	1	46.92	1		POOR
	ZULU	333	9	296.859	1	45.43			FAIR
	ZULU	334	9	285.978	1	37.67			UNCERTAIN
	ZULU	335	9	277.396	ī	42.05	-		POOR
	ZULU	336	9	274.253	ì	42.33			FAIR
	ZULU	353	9	384.985	i	55.32			GOOD
	ZULU	354	9	358.748	ī	52. 77			VERY LITTLE ENERGY
	ZULU	355	9	340.275	ī	50.84			6000
	ZULU	309	9	314.061	i	46.44			POOR UNSET
	ZULU	311	9	314.680	ī	46.58			FAIR
	ZULU	312	9	317.657	i	46.94			FAIL
	ZULU	344	9	371.478	i	52.92	i		EXCELLENT
	ZULU	345	, ,	389.978	i	55.66			FAIR
	ZULU	322	ģ	335.162	i	49.68			POOR
	ZULU	323	9	345.998	i	50.23			VERY POOR
	ZULU	324	9	361.102	i	53.43			POOR
	ZULU	341	9	279.359	i	42.66			6000
	ZULU	342	9	260.370	i	39.83			VERY GOOD
	ZULU	343	9	259.667	i	39.98			EXCELLENT
	ZULU	338	9	316.378	i	46.42			G000
	ZULU	340	9	276.946	ì		i		6000
	70LU	347	9	466.9>	i	54.65			FAIR
	ZULU	348	9	489.815	ì	66.01	-		VERY POOR
	ZULU	349	9	505.246	ì	69.57			POL
	YOKE	348	9	495.143	i	67.44			OFFINITE BY HERE
	YOKE	349	9		i		_		OLITATIE OF BEAL
	YOKE	344	9	508.805 415.755	i		1		
	YOKE		9			58.69			
	AOKE	345	9	427.610	l	60.33			
	AOKE	346 347	9	442.000 459.565	l 1	61.53			
4 2 5 4	· UNL	47.	7	7 / 7 / / / /		UTAUU			

HANNIN HANNAMAN

STATIL	N SHOT	R	RANGE	ī	TIME	P	VEL.	
-	ME		KM.		SEC.		KM/SEC	COMMENT
4316 YOK	E 350	g,	376.213	ì	54.16	1		
4316 YOK	E 353	9	363.263	ı	52.52	1		NO EARLIER
4316 YOK	F 354	9	343.050	1	49.99	1		GDOD CHECKED
4316 YUK	E 356	9	265.208	1	41.31	1		FAIR
4320 YOK	E 303	9	523.435	Ł	73.47	.1		CHECKED
4320 YOK	E 304	9	529.249	1	73.48	1		GOOD CHECKED
1320 YOK	E 305	G	533.810	ì	75.09	ı		POOR
320 YOK	E 604	9	460.675	L	66.88	i		FAIR
4322 YOK	E 314	9	536.511	l l	73.71	ı		WEAK BEGINNING
4322 YOK	E 315	9	541.762	ì	74.40	ı		GOOD
4322 YOR	E 316	9	547.508	ì	75.53	1		VERY GOOD
4322 YOR		9	420.351	1	61.05	ı		
4322 YOR	F 608	9	420.351	ı	60.70	1		
4324 YON	5 309	9	482.287	1	67.18	1		
4324 YOR		9	487.580	ı	68.08	ı		
4324 YUN	E 311	9	491.181	1	68.57	ı		
4324 YOR	£ 312	9	497.826	1	69.98	. 1		CANNONT BE EARLIER
4328 YOM	E 338	9	416.222	1	58.48	1		
4328 YOR		9	392.320	ı	56.53	1		
4328 YOR		9	381.574	ī	54.80	1		
4328 YOR		9	371.087	ī	53.22	ì		
4328 YOK	-	9	370.346	ī	53.38	ī		
4332 YOM	_	9	380.850	ī	55.69	ı		GOOD EVENT
4334 YOK		9	457.417	ì	65.70	ì		
4334 YUK		9	473-126	ī	67.19	ĭ		
4334 YOR	_	9	491.950	i	70.89	ĭ		POOR
4334 YOR		9	530.03A	i	75.00	Ĺ		NOT VERY STRONG
4344 YOR		9	547.501	i	78.09	ī		VERY POOR
4344 YOR		9	546.687	i	77.82	ĭ		VERY POOR
4344 YOR		9	529.048	i	75.17	ī		
4344 YOR	-	9	512.273	i	66.97	ī		
4344 YO		9	497.111	i	70.98	į		VERY POOR
4344 YO		9	490-162	i	70.09	ì		
4348 YD		9	542.053	ì	75.71	i		FAIR
4348 YOM		9	533.143	i	74.57	ī		POORER THAN 327
4348 YOR	-	9	489.664	ì	69.34	i		POOR
4348 YOF		ý	482.434	î	68.75	ì		
4402 VI		9	456.764	ì	64.22	i		GOOD
4402 VIF		ý	449.205	i	63.52	i		6000
4402 VI		ģ	445.642	i	63.34	i		6000
4408 501		9	305.692	i	46.18	i		POOR
4408 511		9	305.692	i	45.95	i		EMERGENT BUT CLEAR
4408 SU		9	312.995	ì	45.33	i		POOR
4408 ST		ģ	312.995	i	46.14	i		GOOD
4408 SU		9	318.639	i	47.12	ì		GOOD
44U8 ST		ý	318.639	i	46.95	ì		G000
4408 SU		9	325.253	ì	48.32	i		GOOD TO FAIR
4408 ST		9	325.253	i	48.22	ì		VERY GOOD
4408 SU		ģ	331.139	i	48.58	i		FAIR TO GOOD
4408 ST		ģ	331.139	i	48.30	i		VERY GOOD
				-		-		

517	ATEON	SHOT	R	RANGE	T	TIME	ρ	VEL.	
VÜ	NAME			KM.		SEC.		KM/SEC	COMMENT
4408	SUVA	308	7	339.015	1	49.76	1		EXCELLENT
< 40B	STIMES	308	9	339.015	1	49.43	ı		VERY GOOD
4408	SUVA	327	9	557.158	ž.	78.09	l		FAIR
4408	SUVA	358	9	546.733	1	77.23	1		GOOD ARRIVAL
4408	SUVA	329	9	493.649	1	70.78	l		GOOD ARRIVAL
4408	SUVA	330	9	483.608	1	70.25	ı		GOOD ARRIVAL
4408	SUVA	331	9	475.976	l	69.71	1		POOR
4408	SUVA	3 3 2	9	475.191	1	69.62	1		VERY POOR
4408	SUVA	333	9	453-171	1	67.52	1		POOR
4408	SUVA	334	9	431.599	1	57.71	1		6000
4408	SUVA	335	9	411.415	1	61.67	1		UNCERTAIN
4408	SUVA	336	9	401.576	1	57.62	ı		UNCERTAIN
4408	SUVA	337	9	340.437	1	55.85	l		GOOD
4408	SUVA	338	ç	353.572	1	54.48	1		UNCERTAIN
4408		340	9	346.079	1	52.31	1		POOR
4408		341	9	343.941	l	50.31	1		GOOD
4408		342	9	342.905	l	49.55	1		POOR TO FAIR
4408		343	9	342.323	1	49.82	1		GOOD
4408		344	9	399.565	1	57.21	ı		VERY GOOD
4408		346	9	414.680	1	59.07	1		FAIR O GOOD
4408		347	9	430.178	ı	62.58	1		FAIR
4408		348	9	444.562	1	62.96	1		FAIR
4408		349	3	456-126	1	64.88	ı		FAIR TO GOOD
4463		350	9	394.925	1	56.55	1		FAIRLY GOOD
4408		353	9	388.463	1	55.68	l		FAIR
4408	SUVA	355	9	369.817	Į.	53.80	1		VERY GOOD
4408		356	9	298.443	1	45.49	1		G00D
	SUVA	603	9	222.433	ı	36.51	1		EXCELLENT
	STIMES		9	222.433	1	35.17	1		GOOD
4408		604	4	222.596	1	37.20	1		EXCELLENT
	STIMES		9	222.596	i.	35.66	L		VERY GOOD
	VIRGNA		4	436-254	1	61.92	1		VERY GOOD
		320	4	462.354	1	64.86	l		FAIR WEAK
_	VIRGNA	323	4	598.644	1	83.27	1		VERY POOR
	VIRGNA	324	9	619.343	l	86.97	1		FAIR
_	VIKGNA	326	9	660.625	1	91.01	1		GOOD
	VIRGNA	327	9	592.686	1	82.36	1		POOR
	VIRGNA	328	9	582.506	1	80.51	1		POOR
	VIRGNA	329	9	531.039	1	76.46	ı		VERY POOR
		330	9	521.527	l	74.04	ı		VERY POOR
	VIRGNA	314	9	371.105	l	52.79	1		VERY GOOD
	VIRGNA	315	9	377.015	l	53.55	1		POOR TO FAIR
	VIRGVA	316	9	383.564	l	54.46	1		GUUD
	VIRGIA		9	237.280	ı	37.25	1		ONSET WEAK
	VIRGNA		9	237.280	l	36.93	1		POOR ONSET
		310	9	304.934	l i	45.35	l		G00D
	VIRGNA	311	9	309.394	ı	45.89	l		GOOD
	VIRGNA	312	9	316.689	l ,	46.84	ļ		ONSET UNCERTAIN
	VIRGNA VIRGNA	356 344	9	267.135 5?6.861	1	41.24 72.84	l l		500D
4430	ATUDIA	744	7):0.001	•	12.04	•		5000

75 10

NORTHERN PROFILES: LAND ST/ 10NS

STATION	SHO	T R	RANGE	ī	TIME	0	VCI	
HAM UV		•	KM.	•	TIME		VEL.	£ 3445
			WI10		SEC.		KW\2FC	COMMENT
4430 VIRGN	1 345	9	535.410	1	74.12			5.4.11.14 anno
4430 VIRGVA			562.604	_	77.99			FAIRLY GOOD
4430 VIRGNA	1 348	9	578.467		79.07	_		POOR
4430 VIRGINA			590.773	i	81.87	_		VERY POOR
4432 VIRGVA	350	9	490.529	i	68.12	_		POOR
4432 VIRGNA	353	9	481.057	i	67.40			POOR
4432 VIRGNA		9	165.068	i	65.36	i		POCA
4432 VIRGNA		9	454.695	i	64.05	_		POOR
4434 VIRGNA	331	9	516.131	ī	04.03	i		G000
4434 VIRGNA	332	9	515.317	ī	72.98	_		NO ENERGY
4434 VIRGNA	334	9	475.267	Ĭ.	61.74	i		VERY POOR
4434 VIRGNA	335	9	457.076	ï	65.79	ì		FAIR
4434 VIRGNA		9	448.422	ī	63.73	i		
4434 VIRGNA	337	9	438.221		61.24	ì		MAY BE LATE
4438 VIRGNA	307	9	315.640	ī		ì		FAIR - MAY BE EARLY
4438 VIRGNA	308	9	322.275	ī		i		VERY GOOD
4438 VIRGNA	605	9	98.106	ī		i		EXCELLENT
4438 VIRGNA	606	9	98.106	ī	16.45	_		EXCELLENT
4440 VIRGNA	303	9	260.719	ī		i		EXCELLENT
4 JO VIRGNA	304	9	265.926	ī	40.50	-		POOR
4440 VIRGNA		9	219.159	1		i		VERY GOOD
4440 VIRGNA	604	9	219.718	ī	35.02	-		FAIR TO GOOD
4502 FNWV	304	9	390.603	ī	67.30			G000
45C2 FNWV	305	9	396.787	ī	68.60	_		
4502 FNWV	306	9	403.939	ī		ì		
45UZ FNWV	307	9	410.314	i	69.20	ì		
4502 FNWV	308	9	418.657	ī	70.10	_		
4502 FNWV	309	9	405.955	ī	69.10	ì		
4502 FNWY	310	9	413.639	ī		i		
4502 FNWY	311	4	419.804	ī		i		
4502 FNWV	314	9	441.461	ī	75.20	_		
4502 FNWV	316	9	455.529	ī		i		
4502 THE	320	9	467.669	ì	_	ī		
4502 FNWV	322	9	594.566	Ā	-	i		000
4502 FNWY	323	9	614.548	1		ī		3C 00
4502 FNWV	324	9	635.901	ī	89.80	_		5000
4502 FANY	326	9	678.286	1	94.00	_		XCELLENT
4502 FNWV	327	9	646.102	1	89.80	_		NOEEE CHI
4505 ENMA	728	9	635.493	1	88.80			
	329	9	581.043	1	82.30			
4502 FAMA	330	9	570.454	ī	81.30			
4502 FNWY	333	9	539.351	1	77.80		G	00D
4502 FYWY	334	9	516.924	1	68.70			000
4502 FNWV	335	9	495.771	1	72.20	_		000
4502 FNHV	336	9	485.299	1	71.20			000
4403 5	337	9	473.770	1	68.80	-	_	000
4502 FNHV	338	9	441.238	1	70.70	ļ		UESTIONABLE
4400 0	340	9	440.534	1	65.10		_	UESTIONABLE
4502 FNHY	342	9	443.158	1	63.30		-	UESTIONABLE
4502 FNWY	343	9	442.643	1	63.10 1	ļ		XCELLENT

NORTHIRN PROFILES: LAND STATIONS

STATION	SHOT	R	RANGE	ſ	TIME	P	VEL.	
NO NAME	21101	•	KM.	•	SEC.		KM/SEC	COMMENT
4502 FNWV	344	9	467.649	ı	67-20	l		EXCELLENT
4502 FNHV	345	9	469.925	L	66.80	1		
4502 FNWV	346	9	474.255	ı	66.70	1		QUESTIDNABLE
4502 FNWV	347	9	487.407	1	69.60	ı		QUESTIONABLE
4502 FNWV	348	9	497.714	l	69.20	1		QU.STIONABLE
4502 FNWV	349	9	506.906	1	71.80	l		GOUD
450Z FNWV	350	9	463.742	1	66 • 30	1		FAIR
4502 FNWV	355	9	451.669	1	64.60	1		FAIR
4502 FNWV	603	9	280.841	l		l		
4502 FNWV	605	4	111.905	1		1		
4502 FNWV	606	9	111.905	1		1		
4502 FNWV	607	9	261.813	1	37.8 D	1		
4506 HAYDUT	338	9	372.825	ı	53.24	1		GOOD
4505 WAYOUR	340	9	377.276	1	54.36	1		VERY GDDD
4506 WAYOUT	341	9	380.804	1	54.94	1		VERY GOOD
4506 WAYDUT	342	9	385.583	1	54.92	1		VERY GDDD
4506 WAYDUE	343	9	395.154	1	54.89	1		GOOD
4508 TASMAN	344	9	351.285	1	51.16	1		DEFINITE BY HERE
4508 TASMAN	345	4	352.397	1	51.44	1		FAIR
4508 TASHAN	347	9	368.547	1	53.60	1		GDOD
4508 TASMAN	348	9	378.462	1	54.02	1		DEFINITE BY HERE
4508 TASMAN	349	9	387.553	ı	56.02	1		PODR
4510 STIMES	327	9	506.230	1	69.89	1		EMERGENT
	328	9	495.580	1	69.78	1		GUDD
4510 STIMES	329	9	440.581	1	64.97	1		GOOD
4510 STIMES	330	9	429.620	1	63.93	1		GOOD
4512 WAYDUF	327	9	643.745	ı	88.89	1		G000
	320	9	633.165	1	87.26	1		GODD
	329	9	578.941	1	82.23	1		VERY GODD
	330	9	568.454	ı		1		VERY GODD
	305	4	358.539	l	52.70	1		GODD
-	306	9	365.638	ı	54.15	l		G00D
	307	3	371.964	ı	54.11	1		GOOD
4514 WAYDUF	308	9	380.267	1	55.33	1		VERY GODD
	605	9	77.000	1	13.24	ı		EXCELLENT
4514 WAYOUT		9	77.000	1	13.25	1		FAIR - EMERGENT
4516 WAYOUT	344	9	398.098	l	57.26	1		GOOD
4516 WAYUUF	345	9	400.932	1	57.96	1		FAIRLY GOOD
	346	9	406-022	1	67.94	1		EMERGENT
4516 WAYOUT	347	9	419.672	1	59.93	ı		FAIR TO GODD
4516 WAYDUF	348	9	430-893	l	60.21	ı		FAIR
4516 HAYOUT	349	9	440.680	ı	62.58	ı		FAIRLY GODD
4518 WAYDUF	350	9	342.627	1	49.69	1		FAIR TO POOR
	353	9	340.355	1	49.28	1		FAIR
4518 WAYOUT	354	9	334.537	ļ	48.79	1		PODR
4518 HAYOUT	355	9	332.206	1	48.84	1		G000
4518 WAYOUT	356	9	263.104	1	40.11	1		FAIR TO GOOD
4520 XECKS	338	9	288.683	1	43.27	1		FAIRLY GODD
4520 XECKS	340	9	292-019	1	43.52	1		VERY GOOD
4520 XECKS	341	9	295.481	1	44.32	1		G000

)

14

STATION	SHUT	R	RANGE	T	TIME	P	VEL.	
NO NAME	J J 1	••	KM.	•	SEC.	•		COMMENT
			*****		5001			
4520 XECKS	343	9	300.087	ı	44.40	ı		BEST OF SERIES
4522 TASHAN	303	9	196.184	1	30.92	1		GOOD
4523 TASMAN	304	9	204.451	ı	31.93	ı		FAIR
4522 TASMAN	306	9	216.016	1	34.30	1		6000
4522 TASMAN	307	9	224.500	1	34.88	1		NO EARLIER
4522 TASMAN	308	9	232.926	ı	35.79	1		
4522 TASMAN	603	9	94.156	ı	16.01	1		FAIR
4522 TASMAN	604	9	94.096	ı	17.38	l		VERY GOOD
4522 TASMAY		4	134-142	1		1		POOR VERY NOISY
4572 TASHAN		9	134.142	1	22.84	1		NOISY BUT GOOD
4526 WAYOUT		9	458.159	1	65.06	1		FAIRLY GOOD
4526 WAYOUT		9	582.465	ı	81.95	_		G0C0
4526 WAYOUT		9	602-006	ı	83.80			G00D
4526 WAYOUT		9	623.218	1	87.96	_		GUGD
4526 WAYOUT		9	665.376	1	91.04			GOOD TO VERY GOOD
4528 WAYDUT		9	345.084	1	51.20	-		G000
4528 WAYOUT		9	352.778	1		1		GOOD
4528 HAYOUT		9	252.527	1		l		PICK MAY BE EARLY
4528 WAYOUT		9	252.544	ı		1		EMERGENT
4530 WAYOUT	_	9	354.689	l		1		FAIR
4530 WAYOUT	_	9	361-127	1	52.15			FAIR TO GOOD
4530 WAYOUT		9	367.642	ı	52.99			6000
4530 HAYUUT		9	374.947	ı	53.29			GOOD
4530 WAYOUT		9	191.743	1		Ĭ.		EXCELLENT
4530 WAYOUT		9	191.743	1	31.94	1		6000
4532 WAYOUT		9	293.636	ı	44.07	1		6000
4532 WAYOUT	_	9	300.971	1		1		VERY GOOD
4532 WAYOUT		9	306.708	1		1		GOOD
4534 TASMAN		9	314-688	ļ		1		6000
4534 TASMAY		9	434.443	1	63.12	1		GOOD ONSET
4534 TASMAN		9	454.208 475.506	1		1		6000
4534 FASHAN		9	517.808	_	68.57	_		WEAK
4536 TASMAN		9	272.751	1		1		VERY GOOD
4530 TASMAN		9	278.623	ì		1		QUESTIONABLE UNCERTAIN
4538 TASMAN	-	9	258.161	i	39.21	i		GOOO
4535 TASMAN		ý	264.803	i		i		WEAK ONSET
4538 TASHAY		9	269.795	i	40.80	i		POOR
4538 TASMAN		ģ	277.424	i		i		UNCERTAIN CHSET
4538 TASMAN		9	283.730	ī	41.85	i		BEST OF THIS GROUP
4538 FASMAN		9	289.456	i	42.31	i		G000
4538 TASMAN		9	295.516	i	43.27	i		UNCERTAIN
4538 TASMAY		9	302.281	ī	44.55	i		DEFINITE BY HERE
4538 TASMAN		9	158.126	1	27.36	ī		CHECKED
4538 TASMAN		9	158-126	ī	27.09	i		
4542 TASMAN		9	449 826	ī	65.01	i		NOTHING EARLIER
4542 TASMAY	328	9	439.523	ì	63.92	į		NO EARLIER
4542 TASMAN		9	387.351	ī	58.01	ì		NOTHING EARLIER
4542 TASHAN		9	377.655	1	56.77	ī		FAIRLY GGOO
4544 TASMAN	335	9	306.466	1	48.45	1		UNCERTAIN

NORTHERN PROFILES: LAND STATIONS

STA	ATION	TOHZ	R	RANGE	ı	TIME	P	VEL.	
νŌ	NAME			KM.		SEC.		KM/SEC	COMMENT
							_		
	TASMAN		9	296.342	ļ	45.73			LEST OF THIS SERIES
4650		316	9	782.207	i	104.40			OUEST COMADA S
4650		324	9	940.888	ļ		i		QUESTIONABLE
4650		326	9	980.651	ļ		i		QUESTIONABLE
4650		327	9	950.276	ļ	126.30		•	
4650		328	9	940.532	ı	125.00			
4650		330	9	882.733	ļ	118-11	ì		NOTEN
4650		344	9	817.593	ļ		.1		NOISY
4650		355	9	779.095	ļ	105.06	ļ		FAIR
	XECKS	306	9	462.298	ļ	67.24			PROBABLY EARLIER
	XECKS	307	9	468.408	ı	66.16			WEAK, BETTER THAN 306
	XECKS	308	9	476.505	ļ	67.76	i		POOR ONSET
	XECKS	605	9	141.073	ı	24.04	ı		VERY GOOD
	XECKS	606	9	141.073	ı	24.11	ı		VERY GOOD
4124	BLWV	308	9	566.217	ı	78.60			
4724		3.5	9	600.475	ı	82.40			
4724	RFMA	327	9	782.056	ı	106.90			
4724	BLWV	328	4	771.751	1	105.90			
4124	BLWV	329	9	719.387	ı	100.30	1		
4724	BLWV	330	9	709.557	ı	98.80			
4724	BLWV	337	9	617.402	1	85.20	1		QUESTIONABLE
4124	BLWV	342	9	561.685	l	78.90	1		G000
4124	BLWV	343	9	561.041	1	78.90	1		EXCELLENT
4724	BLWV	355	9	596.955	1	82.90	1		QUESTIONABLE
4724		603	9	442.961	ı	71.40	1		G000
4124	BLWV	604	9	442.979	ı	71.60	1		G000
4724	BLWV	605	9	27.207	ı	37.50	1		
4724	BLWV	606	9	227.207	1	37.30	1		
4724	BLWV	607	9	425.015	3	68.70	1		G000
4124	BLWV	608	9	425-015	1	67.60	1		FAIR
	STIMES		9	516.844	ı	71.68	1		G300
4812	STIMES	345	9	515.248	1	72.29	1		G000
		346	9	515.262	1	72.38	1		G000
	STIMES	347	9	525.696	ı	72.23	1		GUOD
	STIMES		9	531.781	1	73.75	1		POOR TO FAIR
		338	9	491.292	ì	77.20	1		WEAK
		340	9	495.104	l	70.05			G000
	STIMES	341	4	497.947	ì	70.48	ī		VERY WEAK
	STIMES		9	501-758	ī	70.63	ì		G000
		343	9	501.297	ī	70.72	_		VEOY GOOD
		350	9	467.532	ì	66.74	_		GOOD
		353	ģ	467.819	i	67.40	_		FAIR
		354	ģ	464.951	i	67.17			FAIR
_	STIMES		9	464.372	i	65.92	i		VERY GOOD
	XECKS	328	9	708.459	i	98.53	i		BIG EVENT
	XECKS	329	9	653.916	i	91.87	_		BIG EVENT
	XECKS	322	9	633.069	i	89.23	i		POOR
	XECKS	323	9	653.172	i	91.22	_		6000
_	XECKS	326	9	716.956	i	99.11	i		6000
	XECKS	309	9	474.763	i	68.10	_		UNCERTAIN
1310	~	JU7		4140103	•	03.10	•		AMARITA

STATION	SHOT	R	RANGE	T	TIME P	VEL.	
NO NAME	••	• •	KM.	-	SEC.	KM/SEC	COMMENT
4840 XECKS	310	9	482.307	1	68.67 1		UNGERTA'N
4840 XECKS	315	9	516.210	ı	71.91 1		POOR ONSET
4840 XECKS	316	9	523.550	ı	72.93 1		FAIR
4840 XECKS	607	9	333.913	1	51.15 1		VERY POOR
4840 XECKS	608	9	333.913	ı	50.32 1		POOR ONSET
4842 XECKS	320	9	498.233	1	71.58 1		VERY POOR
4906 G\$129	335	9	546.426	1	77.21 1		FAIR
4926 G\$129	336	9	535.674	1	75.91 1		FAIR
4906 GS129	337	9	524.703	1	74.17 1		UNCERTAIN
4918 GS129	344	9	431.554	1	61.51 1		FAIR
4918 GS129	345	9	425.026	1	60.70 1		FAIR
4918 GS129	346	9	419.680	1	58.76 1		UNCERTAIN
4918 G5129	347	9	426.340	1	60.11 1		FAIR
4918 GS129	349	9	430.803	1	61.65 1		FAIR
4924 BRPA	308	ý	429.148	ì	63.10 1		
4924 BRPA	316	9	466.880	ī	65.90 1		
4924 BRPA	323	9	627.735	ì	87.70 1		
4424 BRPA	324	9	648-647	ī	91.70 1		
4924 BRPA	326	9	677-142	i.	95.8C 1		EXCELLENT
4924 BRPA	327	9	750	ī	91.80 1		
4924 BRPA	328	9	228	ī	90.80 1		
4424 BRPA	329	9	593.651	i	84.90 1		
4924 BRPA	336	ģ	582.526	i	83.30 1		
4924 BRPA	335	9	507.881	i	73.30 1		QUESTIONABLE
4924 HRPA	336	ÿ	497-011	i	71.90 1		QUESTIONABLE
4924 BAPA	337	9	485.703	ì	69.40 1		FAIR
4924 BRPA	343	9	494-158	i	69.80 1		6000
4924 BRPA	344	9	452.636	i	64.00 l		GOOD
	345	9	447.871	i	63.80 1		QUESTIONABLE
4924 BRPA	347	9	452.593	i	64.40 1		QUESTIONABLE
4924 BRPA		9		i	65.90 1		6000
4924 BRPA	349	4	460.191 450.368	i	65.80 1		FAIR
4924 BRPA	350	9	_				FRIN
4924 BRPA	354		458.795	1	65.70 l 66.00 l		FAIR
4924 BRPA	355	9	462.795	1			QUESTIONABLE
4924 BRPA	356	9	402.893	l	33.20 1		4053110WMDCE
4924 BRPA	603	9	281.445	l	44.80 1		
4924 BRPA	604	9	280.859	1	47.40 1		
4924 BRPA	605	9	241.315	ı	39.20 1		
4924 BRPA	606	9	241.315	1	39.30 1		COOD
4924 BRPA	607	9	264-065	ı	43.70 1		GOOD
4924 BRPA	60a	4	264.065	1	43.70 1		FAIR
4428 GS129	350	9	377.263	1	53.72 1		FAIR
4928 GS129	353	9	382.825	1	54.25 1		GOOD
4928 65129	354	9	387.540	1	56.47 1		UNCERTAIN
4928 GS129	355	9	392.558	i	56.40 1		G00D
4932 GS134	309	9	395.367	ļ	57.90 1		POOR
4932 6\$134	310	9	403.343	ı	56.71 1		UNCERTAIN
4932 GS134	311	4	410.076	l	59.68 1		FAIR
4932 65134	312	9	417.975	1	61.08 1		FAIP
4932 GS134	313	9	424.955	ı	62.06 1		FA. E

STATION	SHOT	R	RANGE	ī	TIME	P	VEL.	
NU NAME			KM.		SEC.		KM/SEC	COMMENT
4932 GS134	314	9	432.038	1	61.86	1		POORER THAN 313
4932 GS134	315	9	438.729	i		i		GOOD
4932 GS134	316	9	446.356	ī	63.88	ì		DEFINITE BY HERE
4932 65134	607	4	241.474	ī		1		FAIR
4932 GS134	806	9	241.474	1	38.39	1		FAIR
4934 GS129	309	9	361.641	ı	52.42	1		GOOD
4934 GS129	310	9	369.610	1	53.61	1		FAIR
4934 GS129	311	9	376.380	1	54.97	1		GOOD
4934 GS129	312	9	384-216	1	56.10	1		GOOD
4934 GS129	313	9	391-171	1	57.71	ı		UNCERTAIN
4934 G\$129	314	9	398.275	1	57.76	ı		FAIR
4934 GS129	315	9	404.945	ı	58.59	ı		DEFINITE BY HERE
4934 GS129	316	9	412.562		59.14	Ľ		EXCELLENT
4434 GS129	607	9	207.853	ı	33.88	ı		G00D
4934 GS124	608	9	207.853	ı	33.62	ı		GOOD
4936 GS134	303	9	305.736	1	46.13	1		GOOD EVENT
4436 GS134	3D4	9	314.157	1	45.62	1		UNCERTAIN ONSET
4436 G\$134	305	9	320.520	1	46.33	1		UNCERTAIN
4936 GS134	306	9	327.772	1	48.D4	ı		FAIR
4936 GS134	307	9	334.283	ı	48.72	l		FAIR
4936 GS134	308	9	342.559	l	50.04	ı		GOOD
4936 GS134	603	9	194.467	ı	31.10	ı		
4936 GS134	604	9	193.902	ı	31.64	ı		
4936 GS134	605	9	190.359	1	3D.84	ı		EXCELLENT
4936 GS134	606	9	190.359	l	31.01	l		EXCELLENT
4938 WAYOUT		9	544.6D8	l	78.38	ı		FAIRLY GOOD
4938 WAYDUT	332	9	543.911	ı	76.82	ı		FAIR
4938 WAYOUT		9	520-896	l	74.85	1		GOOD
4938 WAYOUT	334	9	498.125	ı	64.D7	1		G000
4938 WAYOUT	335	9	476.556	1	67.32	1		6000
4938 WAYOUT	336	9	465.765	1	66.45	1		G00D
4938 WAYOUT	337	9	454-171	ı	63.68	1		FAIR
4940 GS129	303	9	323-605	ì	48.42	1		GOOD
4940 GS129	304	9	332.043	ı	48.70	ļ		6000
4940 GS129	305	9	338.444	ļ	49.38	1		6000
4940 GS129 4940 GS129	306	9	345.78D	1	51.10	1		GOOD
4940 GS129	307 605	9	352.342	ŀ	51.51	ļ		G000
4940 GS129	606	9	145.923 145.923	ì	24.72	1		EXCELLENT
4946 GS152	303	9	303.336	l l	24-69	l l		EXCELLENT
4946 GS152	304	9	311.793	ì	44.65 45.78	-		VERY POOR
4946 GS152	305	9	318.194	_		1		FAIR
4946 GS152	306	9	325.507	1	46-40 47-64	1		DEFINITE BY HERE
4946 GS152	307	9	332.060	ì		ì		FAIR
4946 GS152	308	9	34D.432	ì	49.27	i		GOOD
4946 GS152	603	ģ	192.066	ì	31.51	ì		DEFINITE BY HERE
4446 GS152	604	ģ	191.578	ì		ì		DEFINITE DE HENE
4946 GS152	605	9	167-681	i	27.46	i		EXCELLENT
4946 GS152	606	ģ	167.681	ì		ì		MOISY
5002 GS129	338	9	521.425	ī	72.30	i		UNCERTAIN

1000

STATION	SHOT	R	RANGE	ī	TIME	P	YEL.	
NO NAME			KM.		SEC.		ZW/2FC	COMMENT
4.003 CE13.0	343	9	566.380	1	77.95			FAIR
5002 GS129 5010 GS114	327	9	572.524	i	80.60			BIG EVENT
5010 63114	328	9	563.022	i	79.45			BIG EVENT
5010 GS114	329	9	513.615	i	73.24			BIG EVENT
5010 GS114	330	ģ	503.044	i		ī		BIG EVENT
5028 GS114	338	q	363.557	ī	51.47			FAIR
5028 GS114	340	çı	393.703	ī	55.65			FAIR
5028 GS114	341	9	408.884	ī	58.10			FAIR
5028 GS1.14	342	9	425.304	ı	50.72	ì		FAIR
5028 GS1)4	343	9	425.343	ı	59.14	l		VERY GOOD
5038 GS114	344	q	335.239	ı	48.39	1		GUOD
5038 GS114	345	9	326.429	l	48.45	l		POOR
5038 GS114	346	9	318.732	l	46.42	ı		FAIR
5038 GS114	347	9	323.707	ì	47.84	ı		GOOD
5038 GS114	348	9	322.790	1	47.60			FAIR
5040 GS130	33R	9	373.493	l	52.48	ı		FAIR
5040 GS130	340	9	399.114	ì	55.87			POOR
5040 GS130	341	9	412-291	L		l		FAIR
5040 G\$130	342	9	426.737	L	59.61	ı		FAIR
5040 GS130	343	9	426.674	l	59.45			GOOD
5046 G\$114	353	9	356.540	L	50.40			VERY POOR
5048 G\$130	344	4	315.574	L	47.99			FAIR
5048 GS130	345	9	308.730	ŗ	48.68			POOR
5048 GS130	346	9	303.402	ì		i		POOR
5048 GS130	347	9	310.364	ļ	_	1		POOR
5048 GS130	348	9	312.151	ì	47.83	l l		POOR
5048 GS130	349	9	316.404 313.931	1	45.98	ì		NO GOOD Poor
5048 G\$130	350	9	222.130	i	34.69	_		G000
5052 65108	303 304	9	229.325	i	35.62			GOOD
5052 GS108	305	9	234.750	ì		i		GUOD
5052 GS108	306	9	240.880	i	37.75	i		UNCERTAIN
5052 GS108	307	9	246.493	i	38.29			FAIR
5052 65108	308	ý	253.428	ì				VERY POOR
5052 GS104	603	9	135-730	ī	23.17	ī		BETTER THAN 404
5052 GS10H	604	9	134.894	ì	24.03	ì		DEFINITE BY HERE
5092 G\$10#	605	9	284.871	ì	42.15	ī		FAIR
5J52 GS108	606	9	284.871	ì	42.99	1		UNCERTAIN
5054 65144	303	7	272.059	ı	41.19	ı		UNCERTAIN
5054 GS144	304	9	280-412	ì	42.42	ı		UNCERTAIN
5054 GS144	305	9	286.709	l	42.58	ı		FZIR
5054 GS144	306	9	293.872	ı	43.62	ı		POOR
50>4 GS144	307	9	300.316	ı	44.55	ı		FAIR
5054 GS144	308	9	308.469	l	45.36	ı		GUOD
5054 GS144	603	9	161.799	L		_		FAIR
5054 GS144	604	9	161.161	l.	27.68			G000
5054 GS144	605	4	201.897	ı	32.90			EXCELLENT
5054 GS144	606	9	201.897	ı		ı		EXCELLENT
5056 CLFARM		9	251.270	ì	39.26	ı		FAIR
5056 CLFARM	504	9	259,550	ı	40.32	ı		FAIR

į

STATION	SHOT	R	RANGE	Ţ	TIME P	VEL.	
NU NAME			KM.		SEC.	KM/SEC	COMMENT
5056 CLFARH	305	9	265.797	1	40.64 1		PUOR
5056 CLFARM	306	9	272.897	1	41.58 l		FAIR
5056 CLFARM	307	9	279.293	1	42.02 1		FAIR
5056 CLFARM	308	9	287.365	1	43.68 1		POSS -4 EARLIER
5056 CLFARM	309	9	274.771	1	42.08 1		FAIR
5056 CLFARM		9	282.597	1	44.27 1		FAIR
5056 CLFARM	311	9	289.437	1	44-15 1		UNCERTAIN
5056 CLFARM	312	9	296.893	1	44.58 1		UNCERTAIN
5056 CLFARM	313	4	303.651	1	45.95 1		UNCERTAIN
5056 CLFARM		9	310.761	1	46.64 1		UNCERTAIN
5056 CLFARM		9	317 ?65	1	48.29 1		UNCERTAIN
5056 CLFARM	316	9	324.754	1	47.11 1		DEFINITE BY HERE
9056 CLFARM		9	337.155	ı	49.78 1		FIAR
5056 CLFARM		9	464.282	1	67.15 1		WEAK
5056 CLFARM		9	484.800	1	69.82 1		WEAK
5056 CLFARM		9	505.599	1	73.34 1		WEAK
5056 CLFARM		3	546.913	ı	77.74 1		WEAK
5056 CLEARM		9	515.663	ì	73.61 1		WEAK
5056 CLFARM		9	505-181	ī	72.57 1		WEAK
5056 GLEARM		9	450.794	ī	66.38 1		UNCERTAIN
5056 CLFARM		9	439.663	ī	65.24 1		UNCERTAIN
5056 CLFARM		ý	409.340	i	62.87 1		POOR
5056 CLFARM		9	365.479	ī	56.72 1		VERY POOR
5056 CLFARM		ý	354.645	i	54.83 1		PUOR
5056 CLFARM		9	343.471	i	51.37 1		GOOD
5056 CLFARM		9	324.943	i	47.25 i		GOOD
5056 CLFARM		9	342.436	i	55.41 1		VERY POOR
5056 CLFARM		9	352.157	i	53.96 l		POOR
5056 CLFARM		9	363.293	ī	51.88 l		FAIR TO POOR
5056 CLFARM		9	363.087	i	51.48 l		GOOD
5056 CLFARM		9	309-178	i	47.89 l		FAIR
SUSS CLFARM		9	304.963	i	47.07 1		FAIR
5056 CLFARM		9	302.666	i	46.84 l		G000
5056 CLFARM		7	311.889	i	51.98 1		VERY POOR
5056 CLFARM		9	316.783	i	46.13 1		GOOD
5056 CLFARM		ý	322.976	i	47.79 1		GOOD
5056 CLFARM		9	306.828	i	47.05 1		FAIR
5056 CLFARM		9	311.679	i	46.77 1		FAIR
5056 CLFARM		ý	315.80?	i	47.24 1		FAIR
5056 CLFARM		9	320.681	i	47.68 1		GOOD
	356	9	264.149	i	40.68 1		POOR
5056 CLFARM		9	142.103	i	24.22 1		GOOD
5056 CLFARM		9	141.423	i	25.09 1		BETTER THAN L/O
5056 CLFARM		9	209.037	i	33.79 1		GOOD
5056 CLFARM		9	209.037	i	33.77 1		GOOD
5056 CLFARM		9	126.743	i	22.52 1		FAIR
5056 CLFARM		4	126.743	i	22-15 1		FAIR
5058 GS108	309	9	235.438	i	37.02 1		f = 10
5058 GS108	311	9	249.868	i	36.72 1		UNCERTAIN
5058 GS108	312	9	256.989	i	39.78 1		VERY GOOD
		•	6 3 0 6 7 0 7	•	276 10 L		TENT DOUD

over the same

NOTTATE UNAL SEALITORY MENTANN

5.1	ATION	SHO	ı R	RANGE	T	TIME	P	VEL.
NU	NAME			KM.	-	SEC.	•	KM/SEC COMMENT
						3200		MUN DEC COMMENT
5058	65108	31)	9	263.549	1	43.05	1	ALC ENERS
5038	G\$108	315	9	276.927	_	40.33		BIG EVENT Uncertain
5058	G\$108	316	9	284.270		42.00		UNCERTAIN
5058	G\$108	60?	9	98. 3		17.52		EXCELLENT
5058	G\$108	608	9	98.363	ī	17.26	ī	
5966	DELTA	353	9	293.461	ì	43.35		EXCELLENT
5066	DELTA	354	4	296.303	1	45.55		SMALL EYENT
5066	DELTA	355	9	303.762	į	44.92	i	WEAK ONSET
5066	DELTA	356	9	248.980	1	39.20	_	WEAK
5202	STIMES	322	9	436.718	1	63.95		FAIR
>202	STIMES	323	4	457.249	1	65.63	i	600b
	STIMES	326	9	519.534	1	73.50	i	6000 54101 X 6000
5202	OELTA	331	9	405.004	ī	. 20 30	i	FAIRLY GOOD
5202	DELTA	332	9	404.394	ī		i	PROB NOT PICKABLE
5202	DELTA	333	9	381.560	ī	58.67		TRY AGAIN
5202	DELTA	338	9	296.828	1	43.00		FAIR
5202	DELTA	340	9	314.422	i		i	DEFINITE BY HERE
5202	DELTA	341	9	324.313	i	47.79		DEFINITE BY HERE
5202	DELTA	342	9	335.693	ī		i	GOOD DNSET
5202	DELTA	343	G	335.449	ì	48.23		GOOD EVENT
5204	STIMES	309	9	251.730	ī		i	EXCELLENT
5204	STIMES	310	9	259.673	ī	42.57		
	STIMES		9	274.214	i		i	F 4.40
	STIMES		9	281.122	i			FAIR
5204	STIMES	314	4	288.242	i	46.57	1	EMERGENT
5204	STIMES	315	9	294.873	i		_	EMERGENT
5204	STIMES	316	4	302.465	ì	_	1	G000
5204	STIMES	687	9	99.103	i		1	EMERGENT
5204	STIMES	608	9	99.103	i		1	0.000
5208		332	9	352.571	i		1	GOOD
5208		333	9	329.725	i		1	
520E		334	9	307.081	i		1	EMERGENT
	STIMES	335	9	285.576	i		1	FAIR TO GOOD
		336	9	274.702	i		1	GOOD
5208		337	9	263.384			1	FAIRLY GOOD
5220 E	DELTA	324	9	474.417	1		1	CLEAR
5220 (DELTA	326	ý	515.915	l ,		1	FAIR
5220 (BLIA	321	9	484.517	1		1	PROB NOT PICKABLE
3220 I	ELTA	328	9	473.998	1		1	PROB NOT PICKABLE
2550 0	PLIA	334	9	355.271	1	68.35		FAIR
5220 0	PELTA	335	ý.	332.831	1	53.80		POOR
5220 U	ELTA	32.	9		ļ	49.38		NOISY
5220 D	ELTA	337	9	322.974	1	48.46		FAIR
5102 0	HNY	304	9	311.728	ì	23 42		VERY NOISY
5302 D	WHY	305	ý	502.232	1	81.40 1		
5302 0		506	9	505.211	Ţ	81.60 1	-	
2105 n		308	9	508.465	1	82.80 1		
2105 C	HNY	341	9	515.060 517.665	1	59.80 1		
5102 C	HNY	312	ģ	520.348	1	70.20 1		
5302 0	4 8 8 4 8 4	313	9	523.541	1	70.00 1		
		_		70 74 8	4	70,50 1		

NORTHERN PROFILES: LAND STATIONS

STA	NOITA	SHOT	R	RANGE 1	r	TIME	Ρ	VEL.	
NO	NAKE			KM.		SEC.		KM/SEC	COMMENT
	DHNY	314	9		l		1		
	DHNY	316	9		l	71.60			
	DHNY	322	9		Į.	85.30			QUESTIONABLE
	DHNY	324	9		l	90.30			
	DHNY	326	9		l	91.80			G000
5302		328	9		l	89.30			POOR
	DHNY	329	9		L	84.10			POOR
	DHNY	330	9		L	83.70 75.60			G000
5302 5302		338 343	9		l L	85-40	_		FAIR QUESTIONABLE
	DHNY					65.60			VERY GOOD
		344	9		L	60.40			
	DHNY	346	9		l	66.90			QUESTIONABLE GOOD
	DHNY	347			l	65.40			QUESTIONABLE
	DHNY	348	9	393.437	L	55.80			EXCELLENT
5302	DHNY	349 350	9		l l	63.10			POOR
	DHNY	353	9		L J		i		GOOD
5302		354	9		l	70.30			G000
	DHNY	355	9		ì	73.10	•		EXCELLENT
5302		603	9		ì	32.10	ì		EXCEPTENT
	DHNY	604	9		ì	63.60			
	DHNY	607	ģ		ì	1.70			QUESTIONABLE
5304		308	ģ		ì	130,50			GOOD
5304		316	ģ		i	135.10			FAIR
5304		322	ģ		i	149.30			
5304		323	9		ì	151.10	_		FAIR
>304		324	ģ		ì	154.00			FAIR
5304		326	9		ì	157.90			G000
5304		327	9			154.10			GOOD
5304		328	9		l	153.20			G000
5304		329	9		ī	148.00			FAIR
5304		330	9		į		ī		FAIR
5304		342	9		ĺ	126.10			FAIR
5304		543	9)	125.80			6000
5304		344	9		l	138.6C			G000
5304		355	9		l	135./0			6000
		TES GI	EOL	OGICAL SURVE	EY				
	KINGSE		8)	9.72	1		t
6016	KINGSW	303	8	54.080)	10.08	1		1
6011	KINGSE	304	8	59.851 ()	11.27	1		I
6016	KINGSW	304	8	62-145)	11.64	ì		I
	KINCSE		8)	12.43			I
	KINGSW		8	6E-294 ()	12.74			I
	KINGSE		8)	13.71			I
	KINGSW		8)	13.95			I
	KINGSE		8)	14.70			** *
	KINGSW		8)	14.96			2
	KINGSE		8)	16.45			ē
	KINGSW		8)	16.56			F
	KINGSE		8)	14.01			E
9019	KINGSW	309	8	77.421)	14.32	I		E

The second secon

NORTHERN PROFILES: LAND STATIONS

STA	NOITA	SHOT	R	RANGE	T	TIME	P	VEL.
NO	NAME			KM.		SEC.		KM/SEC COMMENT
	*****		_		_			_
	KINGSE		8	82.946	0	15-57		
	KINGSW		8	85.262	J	15.87		Į
	KINGSE		8	89-505	0	16.49		<u> </u>
	KINGSW		9	91-819	0	16.83		Į.
	KINGSE		Ą	97-151	0	17.65	_	I I
	KINGSE	_	8	99."*4 103.651	0	18.03	1	i
	KINGSW		8	105.977	ŏ	19.15		i
	KINGSE		8	111-195	ŏ	19.83		i
	KINGSW		8	113-520	ŏ	20-18		i
	KINGSE		8	117.504		20020	•	NOT RECORDED
	KINGSW		8	119-832				NOT RECORDED
	KINGSE		8	124.707	0	21.97	1	1
	KINGSW		8	127.037	Ŏ	22.31		i
	KINGSE		8	137.322	_		-	NOT RECORDED
	KINGSW		8	139.652				NOT RECORDED
	KINGSE		8	265.413	0	48.57	1	Q
	KINGSW		8	267.285	Ō	48.81		Õ
	KINGSE		8	286.378	0	50.95		Q .
6016	KINGSW	323	8	288-250	0	51.20	_	Q
6011	KINGSE	324	8	306-630				TOO NOISY
6016	KINGSW	324	8	308.970				TOO NOISY
6011	KINGSE	326	8	348.733	0	53.98	l	Q
6016	KINGSW	326	8	351.075	0	54.22		Ú
6011	KINGSE	327	8	316.861				TOO NOISY
6016	KINGSW	327	8	319.202				TOO NOISY
6011	KINGSE	328	8	306.202	0	48.81	1	Q
6016	KINGSW	328	8	308.542	0	49.06	1	Q
_	KINGSE		8	251.340	0	41.76	1	L
	KINGSW		8	253.679	0	42.06	1	L.
	KINGSE		8	240.383				TOO NOISY
	KINGSW		8	240.722				TOO NOISY
	KINGSE		8	233.087	0	39.60		L
	KINGSW		8	235.425	0	39.92	1	<u>L</u>
	KINGSE		8	232.372				TOO NOISY
	KINGSW		8	234.710	_			TOO NUISY
	KINGSE		8	209-481	0	35.52		Ē
	KINGSW		8	211-817	0	35.86		E
	KINGSE		8	186.991 189.326	Ŏ	31.88 32.19	_	E
	KINGSE		8	165.596	C		i	E E
	KINGSW		8	167.930	ŏ	28.47	_	E
	KINGSE			154.905	v	20.41	•	NO SHOT TIME
6016	KINGSW	336	8	157.239				NO SHOT TIME
	KINGSE							NOT RECORDED
	KINGSW							NOT RECORDED
	KINGSE		8	124.330	0	21.70	1	I
_	KINGSW		8	126.502	ŏ	22.00		i
	KINGSE		8	146.927	Ö	25.20		Ė
6016	KINGSW	340	8	148.812	0	25.50		Ē

- 4

.

STATION	SHOT	R	RANGE	T	TIME P	YEL.	
NO MAME			KM.		SEC.		CJMMENT
6011 KINGSE	341	8	160.608				NO SHOT TIME
6016 KINGSW		8	162.350				NO SHOT TIME
6011 KINGSE		8	176.543	0	28.43 I		E
6016 KINGSW		8	178.142	ŏ	28 58 1		Ē
6011 KINGSE		8	176.663	ō	28.48 1		Q
6016 KINGSW		8	178.254	Ö	28.70 1		9
6011 KINGSE		8	129-436	Ö	22.86 Ł		ī
6016 KINGSW		8	131.524	Ö	23.13 1		1
6011 KINGSE			138.517	0	23.85 1		Ĭ
6016 KINGSW		8	146,417	Ö	24.09 1		i
-	_	8		_			
6011 KINGSE		8	1496968	0	25.34 1		I
6016 KINGSH		8	151.717	0	25.56 1		8
6011 KINGSE		8	162.663	0	27.79 1		E
6016 KINGSW		8	164.251	Û	28.02 1		E
6011 KINGSE		8	179.104				NOT RECORDED
6016 KINGSW		8	180.537	_			NOT RECORDED
6011 KINGSE		8	192.262	0	31-13 1		E
6016 KINGSW		8	193.607	0	31.30 1		E
6011 KINGSE		8	126.611	0	22.24 1		Ī
6016 KINGSW	350	8	128.717	0	22.55 1		I .
6011 KINGSE	353	8	120.474	0	21.76 1		I
6016 KINGSW	353	8	122.703	0	22.11 1		1
6011 KINGSE	354	8	118.284	0	21.16 1		I
6016 KINGSW	354	8	120.547	0	21.48 1		t
6011 KINGSE	355	8	118.328	0	21.39 1		1
6016 KINGSW	355	8	120.660	0	21.77 1		1
6031 MORGAE		8	141.184	0	23.77 1		I
6036 MORGAN		8	143.312	0	23.98 1		I
6031 MORGAE		8	149.360	Ö	25.02 1		E
6036 HORGAN		8	151.488	Ō	25.23 1		Ĕ
6031 HORGAE		8	155.613	Ŏ	25.64 1		Ē
6036 HORGAN		8	157.741	ō	25.88 1		Ē
6031 MORGAE		8	163.023	Ō	26.96 1		Ē
6036 MORGAN		8	165.151	Ö	27.27 1		È
6031 MORGAE		8	169.566	Ö	27.53 1		Ě
6336 MORGAN		8	171.694	ŏ	27.75 1		Ě
6031 MORGAE		8	177.672	Ö	28.65 1		Ē
6036 MORGAN		8	179.800	ŏ	28.92 1		Ē
6031 MORGAE		8	164.955	Ö	27.09 1		E
6035 MORGAN		_	166.657	ŏ	27.30 1		E
		8		_			
6031 MORGAE		8	172.789	0			L
6035 MORGAN		8	174.491	0	28.68 1		L
6031 MORGAE		8	179.223	0	29.06 1		E
6035 MORGAN		8	180.925	0	29.25 1		E
6031 MORGAE		8	187.109	0	30.20 1	•	E
6035 MORGAW		8	188.811	0	30.37 1		E
6031 MORGAE		8	193.697	0	31.22 1		ŗ
6035 MORGAW		8	195.399	0	31.41 1		ŗ
		8	201.166	0	33.18 1		Q
6035 MORGAN	314	8	202.868	0	33.37 1		Q

STATION	SHOT	R	RANGE	T	TIME P		COMMENT
NO NAME			KM.		SEC.	KH/2EC	COMMENT
6031 MORGAE	315	8	207.566	0	33.93 1		0
6036 MORG/4		8	209.694		34.18 1		q
6031 MORGAE	-	8	214.803	Ŏ	34.94 1		q
6036 MORGAN		8	216.931	Ō	35.20 1		q
6031 MORGAE		8	227.420				NOT RECORDED
6036 MORGAW	320	8	229.548				NOT RECORDED
6031 MORGAE	322	8	355.371				NO MONITOR RECORD
6036 MORGAN	322	8	357.500				NO MONITOR RECORD
6031 MORGAE		8	376.359	0	55.80 1		E
6036 HORGAN	_	8	378-487	0	56.03 1		E
6031 MORGAE		8	397.119				NO MONITOR RECORD
6036 MORGAW		8	399.248				NO MONITOR RECO
6031 MORGAE		8	439.391				NO MONITOR RECO
6036 MORGAN		0	441.520	_	E0 4E 1		NO MONITOR RECO
6031 MORGAE		8	407.380		59.45 l 59.67 l		E
6031 MORGAE		8	409.509 396.692		58.22 1		0
6036 MURGAW		8	398.820		58.47 1		Ö
6031 MORGAE		8	341.739	-	51.72 1		E
6036 MORGAW		6	343.868	ŏ	52.01 1		È
6031 MORGAE		8	330.844	Ŏ	50.50 1		Q
6036 MORGAN		8	332.972	ō	50.74 1		ă
6031 MORGAE	331	8	323.439	-			TOO NOISY
6036 MORGAN	331	8	325.568				TOO NOISY
6031 HORGAE	332	8	322.699				TOO NOISY
6036 MORGAN	332	8	324.827				TOG NOISY
6031 MORGAE		8	299.750	0	45.45 1		Q
6035 MORGAW		8	301.435	0	45.62 1		Q
6031 MORGAE	_	8	277.218		45.42 1		Q
6036 MORGAW		8	279.346	0	45.70 1		Q
6031 MORGAE		8	255.790	0	39.25 1		E
6036 MORGAN		8	257.918	0	39.51 1		E
6031 MORGAE		8	245.118				NO SHOT TIME
6036 MORGAN 6031 MORGAE		8	247-246 255-988	^	34 55 1		NO SHOT TIME
6036 MORGAN		8	257.684	0	36.55 1 36.77 1		9
6041 NEWMAE		8	156-864	Õ	25.64 1		Q E
6041 NEWMAE		8	165.042	ŏ	26.90 1		E
6041 NEWMAE		8	188.469	ΰ	30.04 1		E
6041 NEWMAE			243.103	•			NOT RECORDED
6041 NEWMAE		8	346.514	Q	52.31 1		E
6044 NEWMAN	310	8	189.611	Õ	30.17 1		Ē
6046 NEWMAW		8	245.007		_		NOT RECORDED
6046 NEWMAN		8	348.415	Q	52.62 1		E
6041 NEWMAE		8	194.913	0	30.86 1		ŧ
6044 NEWMAN		8	196.056	0	31.02 1		E
6041 NEWMAE		8	202.789	0	32.26 1		E
6041 NEWMAE		8	371.048				NOT RECORDED
6044 NEWNAW		8	203.931	C	32.41 1		E
6046 NEWMAW	322	8	372.950				NOT RECORDED

1

.

STATION	SHOT	R	RANGE	T	TIME P	VEL.	
NO NAME			KM.		SEC.	KM/SEC	COMMENT
	313	8	209-374	0	33.34 1		Q
	323	8	392.035	_			NOT RECORDED
6044 NEWMAN		8	210-516	0	33.52 1		Q
	303	8	158.767	0	26.32 1		E
	323	8	393.556	0	57.20 1		9
6041 NEWMAE		8	216.851	Q	34.61 1		i.
	324	.8	412.793	_			NOT RECORDED
6044 NEWMAN	_	-8	217-993	0	34.78 1		L
	304	8	166.945	0	27.33 1		E ASSOSSES
	324	8	414-695	^	27 (2.1		NOT RECORDED
6041 NEWMAE		8	171.294	0	27.43 1 35.28 1		E
_	315 315	8	223.247 224.389	0	35.44 l		9
	305	8	173.298	0	27.70 1		E
	306	8	178-702	Ö	28.58 1		E
	316	8	230-483	ŏ	36.57 1		Q
6041 NEWMAE		8	455.049	U	30.71		NO TIMING
	316	8	231.625	0	36.73 1		Q
6046 NEWMAW		8	180.605	ŏ	28.88 1		Ē
	326	8	456.949	•			NO TIMING
6041 NEWMAE	_	8	185-246	0	29.44 1		E
6041 NEWMAE	_	8	423.052	Q	61.36 1		È
	307	8	187-149	õ	29.72 1		Ě
	327	8	424.953	Q	61.56 1		Ē
6041 NEWMAE		8	193.347	6	30-56 1		Ē
6041 NEWMAE		8	412.366	Q	59.95 1		Ē
604F NEWMAN		8	195-249	õ	30.77 1		Ē
6046 NEWMAN		8	414.267	ě	60.21 1		Ē
6041 NEWMAE	_	8	180.630	õ	28.97 1		E
6041 NEWMAE		8	357.417	Q	53.61 1		E
6044 NEWMAN		8	181.772	Õ	29.15 1		E
	329	8	359-319	Q	53.77 1		E
6051 NEWTOE	303	8	170-843	Ō	27.62 1		L
6056 NEWTOW		8	172.677	0	27.90 1		L
6051 NEWTOE	304	8	179.021	0	28.84 1		Q
6056 NEWTOW	304	8	180.853	0	29.18 1		Q
6051 NEWTOE	305	8	185-274	0	29.42 1		L
6056 NEWTOW	305	8	187.106	0	29.61 1		L
6051 NEWTOE	306	8	192.683		- -		NOT RECORDEO
6056 NEWTOW		8	194.517				NOT RECORDED
6051 NEWTOE		8	199.226	0	31.43 1		E
6056 NEWTOW		8	201.060	0	31-63 1		E
6051 NEWTOE		8	207-329	0	32.80 1		L
6056 NEWTON		8	209-165	0	32.98 1		L
6051 NEWTOE		8	194-612	0	30.76 1		L
6056 NEWTON		8	196-448	0	30.98 1		Ĺ
6051 NEWTOE		8	202-449	0	31-93 1		E
6056 NEWTON		8	204-282	0	32.11 1		E MOT MECOROSO
6051 NEWTOE		8	208.889				NOT RECORDED
OUDO NEWIUN	211	8	210.716				NOT RECORDED

*

STATION	SHOT	R	RANGE	T	TIME P	VEL.
NO NAME	J.1.	••	KM.	•	SEC.	KM/SEC COMMENT
			*****		52.55	
6051 NEWTOE	312	ß	216.770	0	35.81 1	Q
6056 NEWTOW		8	218.603	ŏ	36.03 l	ō .
6051 NEWTOE		8	223.356	ŏ	36.84 1	ō
6056 NEWTOW		8	225.191	ŏ	37.09 1	ă
6051 NEWTOE		8		_	37.34 1	
		8	230-829	0		Q
6056 NEWTOW	-	-	232.660	0	37.60 1	Q
6051 NEWTOE		8	237.227	0	38.85 1	Q
6056 NEWTOW		5	239.060	0	39.15 1	Q
6051 NEWTOE		8	244.464	Ç	39.84 1	Q
6056 NEWTOW		8	246.297	0	40.02 1	Q NOT RECORDED
6051 DENTSE		8	249.918			NOT RECORDED
6056 DENTSW		8	251.611	_		NOY RECORDED
6051 DENTSE		8	377.873	0	57-85 1	Q
6056 DENTSW		8	379.559	0	58.07 1	Q
6051 DENTSE		8	398.861	Đ	58.20 1	Q
6056 DENTSW		8	400-546	D	58.44 1	Q
6051 DENTSE		8	419-622	0	60.97 1	E
6056 DENTSW		8	421.305	0	61.20 1	E
6051 DENTSE	326	8	461.896	0	66.01 1	L
6056 DENTSW	326	8	463.564	0	66.20 1	E
6051 DENTSE	327	8	429.884	0	62.21 1	E
6056 DENTSW	327	8	431.564	Ð	62.40 1	E
6051 DENTSE	328	8	419.915	0	60.84 1	E
6056 DENTSW	328	6	420.878	0	61.02 1	E
6051 DENTSE	329	8	364.241	0	54.33 1	Q
6056 DENTSW		8	365.927	Ö	54.58 1	Q
6051 DENTSE		8	353.346	ŏ	53.31 1	È
6056 DENTSW		8	355.026	ō	53.54 1	Ē
6051 DENTSE		8	345.940	•		TOO NOISY
6056 DENTSW		8	347.629			TOO NOISY
6051 DENTSE		8	345.199			TOO NOISY
6056 DENTSK		8	346.890			TOO NOISY
6051 DENTSE		8	322-249			TOO NOISY
6056 DENTSW		8	323.942			TOO NOISY
6051 DENTSE		8	299.717			NOT RECORDED
6056 DENTSW		8	301.410			NOT RECORDED
6051 DENTSE		8	278.289	^	41.85 1	E
6056 DENTSW		8	279.981	0	42.08 1	E
		_		U	72.00 1	_
6051 DENTSE		8	267.617			NO SHOT TIME
6056 DENTSW		8	269.306			NO SHOT TIME
6051 DENTSE		8	255.988			NO MONITOR RECORD
6056 DENTSW		8	257.684		25 60 1	NO MONITOR RECORD
6051 DENTSE		8	231.326	0	35.00 1	Q ·
6056 DENTSW		8	233.209	0	35.20 1	Q
6051 DENTSE		8	243.769	0	36.85 1	9
6056 DENTSW		8	245.819	0	37.09 1	9
6051 DENTSE	_	8	251.913			NO SHOT TIME
6056 DENTSW		8	254.021			NO SHOT TIME
6051 DENTSE		8	261.963	0	39.58 1	E
6056 DENTSW	34Z	8	264.117	0	39.84 1	E

STATION	SHOT	R	RANGE	Ŧ	TIME P	VEL.	
NO NAME			KM.		SEC.	KM/SEC	COMMENT
6051 DENTSE	343	8	261.795	0	39.22 1		E
6056 DENTSW	343	8	263.950	0	39.48 1		E
6051 DENTSE	344	8	238.690	0	39.06 1		Q
	344	8	239.876	0	39.25 1		Q
6051 DENTSE	345	8	243.210	0	39.04 1		Q
	345	8	244.209	0	39.17 1		0
6051 OENTSE	346	8	250.440	0	40-25 1		Q
6056 DENTSW		8	251.297	0	40.44 1		Q
6051 DENTSE		8	258.238	0	42.44 1		Q
6056 DENTSW		8	258.946	0	42.57 1		9
	348	8	269.402	0	42.84 1		Q
	348	8	269.956	0	42.94 1		Q
6051 DENTSE	349	8	279.205	0	41-17 1		Ę
	349	8	279.661	0	41.32 1		E
6051 DENTSE		8	236.329	0	34.99 1		Q
6056 DENTSW		8	237-528	0	35.15 1		Q
	353	8	232.711	0	36.75 1		Q
6056 DENTSW		8	234.050	0	36.95 1		Q
6051 DENTSE		8	231-148				NOT RECORDED
6056 DENTSW	354	8	232.537				NOT RECORDED
	355	8	231.090				NOT RECORDED
6056 DENTSW		8	232.767	_			NOT RECORDED
6061 ANTIOE		8	246-901	0	37.56 1		Q
6066 ANTION		8	249.385	0	37.80 1		Q
	304	8	255.081	0	38.58 1		Q
WOITHA 8808		8	257.565	0	38.87 1		Q
6061 ANTIOE	305	8	261.332	0	39.24 1		E
	305	8	263.816	0	39.47 1		E
6061 ANTIOE		8	268.734	0	40.25 1		L
	306	8	271.219	0	40.50 1		Ļ
BOITER 1808	307	8	275.279	0	41.19 1		Ļ
	307	8	277.764	0	41.45 1		Ļ
	308	8	283.371	0	42.36 1		L
	308	8	285.655	0	42.52 1		ŗ
	309	8	270-:56	Ç	40.88 1		Q
6066 ANTION	309	8	273.141	0	41-13 1		Q
	310	8	278.502	0	42.32 1		Q
6066 ANTION	_	8	280.987	0	43.4° 1		Q
6061 ANTIDE	311	8	284.620	0	42.59 1		Q
	311	8	287.447	0	42.78 1		Q .
	312	8	292.821	0	45.45 1		Q
	312	8	295.306	0	45.75 1		Q
6061 ANTIDE		8	299.399	0	46.15 1		Q
6066 ANTION		8	301.884	0	46.42 1		Q
	314	8	306-889	Ŏ	48.00 1		Q
6066 ANTION		8	309.374	0	48.24 1		Q
6061 ANTIOE	315	8	313-278	0	48.57 1		9
6066 ANTION	315	8	315.762	0	48.77 1		Q
6061 ANTIQE	316	8	320.513	0	49.56 1		Q G
6066 ANTIOW	316	8	322.990	0	49.81 1		V

ST	ATION	SHGT	R	RANGE	T	TIME	₽	VEL.	
NO	NAME			KM.		SEC.			COMMENT
6061	ANTIOE	320	8	333-139					NOT RECORDED
6066	ANTIGW	320	8	335.624					NOT RECORDED
6061	ANTIOF	322	8	461-065					YOO NOISY
6066	ANTION	322	8	463.550					TOO NOISY
6061	ANTIOE	323	8	482.052	0	69.32	1		E
6066	ANTION	323	8	484.537	0	69.59	1		E
6061	ANTIOE	324	8	502-805	0	71.28	ı		Q
6066	MOTTION	324	8	505-290	0	71.53	ı		Q
6061	BOITKA	326	8	544.962	0	76.33	ı		E
6066	ANTION	326	8	547.447	0	76.56	1		E
6061	ANTIOE	327	8	513-011	0	73.16	1		Q
6066	ANTIOW	327	8	515.495	0	73.38	1		Q
6061	ANTIOE	328	8	502-377	0	70.98	1		E
6066	ANTION	328	8	504.862	0	71.20	1		E
6061	ANTIOE	329	8	447.437	Q	65.47	1		E
6066	ANTION	329	8	449.922	0	65.67	1		E
6061	ANTIOE	330	8	436.518	0	63.77	1		Q
6066	ANTION	330	8	439.003	Q	64.03	ı		q
6071	ZULLAE	303	8	257.087	0	38.34	1		Q
	ZULLAW		8	259.462	Ō	38.65	ī		Q
	ZULLAE		8	265.267	0	39.24	ī		Ē
	ZULLAW		8	267.242	ō		Ĭ		Ē
	ZULLAE		8	271-518	ō	39.97	-		Ē
	ZULLAW		8	273.893	ō		ī		Ē
	ZULLAE		8	278.921	ŏ		i		Ē
	ZULLAW		ĕ	281.297	ŏ		i		Ē
	ZULLAE		8	285.466	Ö		1		Ē
	ZULLAW		8	287-842	ŏ	41.89	_		Ē
	ZULLAE		8	203.558	ŏ		i		Ě
_	ZULLAW		ě	295.935	ŏ		i		È
	ZULLAE		ě	280-843	Ö		i		o o
	ZULLAW		8	283-220	Ö		i		
_	ZULLAE		8	288.629	Ö	_	i		
	ZULLAW		8	291.065	Ö	42.25			
	ZULLAE		8	295.148	Ö	43.19			o a
	_				_	43.47			o o
	ZULLAW		8	297-522	0				9
	ZULLAE		8	303.008 305.384	0		i		9
_	ZULLAW				0	44-17	£		
	ZULLAE	_	8	309.587					
	ZULLAW	_	8	311.964	_	47 49			NO MONITOR RECORD
	ZULLAE		8	317.076	0	47.43	_		Q
	ZULLAW		8	319.452	0		i		Q
_	ZULLAE	_	8	323.465	0		i		Q
	ZULLAW		8	325-842	0		1		9
_	ZULLAE		8	330-701	0	49.10	ļ		0
	ZULLAW	-	8	333.078	0	49.35			Q accorded
	ZULLAE		8	343.326					NOT RECORDED
	ZULLAW	_	8	345.703					NOT RECORDED
	ZULLAE		8	471-255		68.36			Q
0076	ZULLAW	322	8	473.635		68.57	1		Q

STATION	SHOT	R	RANGE	T	TIME	P	VEL.	
NO NAME			KM.		SEC.		KM/SEC	COMMENT
6071 ZULLAE	323	8	492.243		69.53	1		Q
6075 ZULLAW	323	8	494.623		69.78	1		Q
6071 ZULLAE	324	8	512.948					NO MONITOR RECORD
6076 ZULLAW	324	8	515.329					NO MONITOR RECORD
6072 ZULLAE	326	8	555.627	0	77.32	1		E
6076 ZULLAW	326	8	557.534	0	77.51			E
6071 ZULLAE		8	523.199	ō	74.24			Ĺ
6076 ZULLAW		8	525.580	ō	74.51			Ĺ
6071 ZULLAE		8	512.521	Ğ	72.15			Ē
6076 ZULLAW		8	514.901	ō	72.43			E
6071 ZULLAE		8	457.627	•		-		NG MONITOR RECORD
6076 ZULLAW		8	460.007					NO MONITOR RECORD
6071 ZULLAE		8	446.708					NO MONITOR RECORD
6076 TULLAW		8	449.089					NO MONITOR RECORD
6071 ZULLAE		8	439.334					TOO NOISY
6076 ZULLAW		8	441.712					TOO NOISY
6071 ZULLAE		8	438-600					TOO NOISY
6076 ZULLAW		8	440.979					TOO NOISY
6071 ZULLAE		8	415.657	0	62.68			
6076 ZULLAW			418-034					9
		8	393.125	0	62.90 58.71			Q
6071 ZULLAE		8		0				9
6076 ZULLAW		8	395.502	0	59.00			Q
6071 ZULLAE		8	371.694	0	53.80			Q
6076 ZULLAW		8	374.071	0	54.05	ŗ		Q
6071 ZULLAE		8	361.012					NO SHOT TIME
6076 ZULLAW		8	363.389			_		NO SHOT FINE
6071 ZULLAE		8	349.403	0	52.31			Q
6076 ZULLAW		8	351.779	0	52.57			Q
6081 UPPERE		8	269.219	0	39.35	-		E
6086 UPPERW		8	271.389	0	39.64			E
6081 UPPERE		8	277.399	0	40.90			E
6086 UPPERW		8	279.569	0	41.13			E
6081 UPPERE		8	283.650	0	41.41			E
6086 UPPERW		8	285.820	0	41.69			E
6081 UPPERE		8	291.052	0	42.14	_		E
6086 UPPERW		8	293.221	0	42.39			Ε
6081 UPPERE		8	297.597	0	43.14			Ε
6086 UPPERW		8	299.766	0	43.40	1		E
6081 UPPERE	308	8	305.687	0	43.94			E
6086 UPPERW	308	8	307.855	0	44.16	1		E
6081 UPPERE		8	292.973	0	42.95	1		L
6086 UPPERW		8	295.141	0	43.87			L
6081 UPPERE	310	8		0	43.57	l		L
6086 UPPERW		8	302.989	0	43.83			L
6081 UPPERE	311	8	307-282	0	44.40			Ε
6086 UPPERW	311	8	309.453	0	44-61	1		E
6081 UPPERE	312	8	315.138	0	46.62			Q
6086 UPPERW	312	8	317.307	0	46.87	1		Q
6081 UPPERE	313	8	321.716	0	48.25	l		Q
6081 UPPERW	313	8	323.883	0	48.49	1		Q

基素

STA	TION	SHOT	R	RANGE	T	TIME P	VEL.	
NO	NAME		••	KM.	•	SEG.		COMMENT
5081	UPPERE	314	8	329-207				NOT RECORDED
9809	UPPERW	314 .	8	331.376				NOT RECORDED
1809	UPPERE	315	8	335.595	0	49.45 1		Q
6086	UPPERW	315	8	337.763	0	49.72 1		Q
6081	UPPERE	316	8	342.831	0	48.30 1		E
6086	UPPERW	316	8	344.998	0	48.57 1		E
6081	UPPERE	320	8	355.457				NOT RECORDED
6086	UPPERW	320	8	357.625				NOT RECORDED
6081	UPPERE	322	8	483.381	0	69.58 1		L
6086	UPPERM	322	8	485.544	0	69.85 1		L
908f	UPPERE	323	Ω	504.368	0	71.85 1		L
		323		506.531	0	72.12 1		L
		324	8	527.229	0	74.75 1		E
	UPPERE		8	567.262	0	79.17 1		E
		326	8	569.417	0	79.45 1		E
9081	UPPERE	327	8	535.318	0	75.39 1		E
	UPPERW	327	8	537.477	0	75.65 1		E
6081	UPPERE	328	8	524.641	0	74.02 1		L
	UPPERM	328	8	526.802	0	74.31 1		Ĺ
6081		329	-8	525.069	0	75.36 1		E
6081	UPPERE	329	8	469.753	0	67.56 1		E
6086	UPPERW	329	•	471.917	0	67.81 1		£
	UPPERE	330	8	453.831				NO MONITOR RECORD
	LPP RW	330	8	460.993				NO MONITOR RECORD
	UPPERE	331	8	451.461	0	66-11 1		E
	UPPERW	331	8	453.626	0	66.34 1		E
		332	8	450.728	0	65.67 1		E
_		332	8	452-894	0	65.96 1		E
6081	UPPERE	333	8	427.786	0	63.74 1		Q
	UPPERW	333	8	429.952	0	63.99 1		Q
6081	UPPERE	334 334	8	405.255 407.421	0	59.84 1 60.09 1		Q
6081	UPPERE	335	8	383.824	Ö	60.09 1 54.95 1		Q
	UPPERW	335	8	385.991	ŏ	55.10 1		L
	UPPERE		8	373.140	•	33010 1		NO SHOT TIME
6086	UPPERW	336	8	375.307				NO SHOT TIME
6081	UPPERE	337	8	361.534	0	52.33 1		L
	UPPERW	337	8	363.702	ŏ	52.54 1		i
	FAWCEE	303	8	308.070	ŏ	44.52 1		Ē
_	FANCEN	303	8	309.570	ŏ	44.71 1		Ē
6091	FANCEE	304	à	316.251	õ	45.98 1		È
		304	8	317.750	Ó	46.14 1		Ē
	FAWCEE	305		322.502	ŏ	46.70 1		Ē
	FANCEN	305	8	324.001	ŏ	46.84 1		Ē
	FANCEE	306	8	329.904	Ŏ	47.35 1		Ē
6096	FANCEN	306	8	331.401	0	47.51 1		Ē
6091	FAWCEE	307	8	336-449	0	48.55 1		Ē
6096	FANCEN	307	8	337.946	0	48.72 1		E
6091	FAWCEE	308	8	344.539	0	49.25 1		E
6096	FANCEN	308	8	346.033	0	49.47 1		E

STATION	SHOT	R	R ANGE	T	TIME P	YEL.
NO NAME		•••	KM.	•	SEC.	KM/SEC COMMENT
			*****		••••	
6091 FANCE	309	8	331.825	0	47.80 1	E
6096 FANCE		8	333.321	ŏ	48.05 1	Ē
6091 FANCE		8	339.672	Ö		Ē
6096 FANCE		8	341.169	ŏ		Ē
5091 FAWCE		8	346-135	Ö	49.24 1	Ē
6096 FANCE		8	347.636	_	49.50 1	Ē
6091 FAWCE				0	49.75 1	ī
6096 FAWCE		8	353.991 355.487	0	51.41 1 51.56 l	ĩ
6091 FAWCE		-8		0		ğ
		8	360.568	0		ā
6096 FANCES		8	362.062	0	53.46 1	ā
6091 FAWCES		8	368.060	0	53.93 1	_
6096 FAWCEI		8	369.557	0	54.14 1	Q
6091 FANCES		- 8	374.448	0	53.47 1	L.
6096 FANCE		8	375.943	0	53.65 1	ŗ
6091 FAHCE		8	381.684	0	53.58 1	Ę
6096 FAWCE		8	383.178	0	53.90 1	E
6091 FANCE		8	394.311			NOT RECORDED
6096 FANCE		8	395.506			NOT RECORDED
6091 FAHCE		8	522.187		74-15 1	E
6096 FANCE		8	523.671		74.45 1	E
6091 FAWCE	323	8	543.167	0	76.67 1	E
6096 FANCE	323	8	544.650	0	76.86 l	E
6091 FAWCE		8	563.912	0	79.92 1	E
6096 FAWCE	1 324	8	565.392	0	80.22 1	E
6091 FAWCER	326	8	606.098	0	83.76 1	E
6096 FAHCE	326	8	607.567	0	84.03 1	E
6092 FANCE		8	574.536	0	80.40 1	E
6096 FAWCE		8	575.639	0	80.66 1	Ě
6092 FANCE		8	563.860	0	79.20 1	E
6096 FANCE		8	564.965	0	79.31 1	E
6091 FANCES		8	508.664	0	72.40 1	E
6096 FANCE		8	510.048	Ō	72.56 1	£
6091 FAWCER		8	497.786	Ō	71.38 1	Ë
6096 FANCE	_	8	499.168	ñ	71.63 1	Ē
6091 FAWCE		8	490.419	0	70.91 1	ĩ
6096 FAHCE		8	491.805	Ö	71.14 1	Ĺ
6091 FANCE		8	589.687	Õ	70.80 1	ĩ
6096 FAWCE		8	591.074	Ö	70.98 1	ĩ
6091 FANCES		8	466.744	ŭ	69.50 L	Q
6096 FANCE		8	468-134	ŏ	69.70 L	ā
6091 FANCE		8	444.212	Ö	65.86 L	ā
6096 FANCE		8	445.603	ŏ	66.15 1	ă
6091 FANCES		8		ŏ		Ē
6096 FANCE		8	424.171	Ö	60.06 1	Ē
6091 FANCES		8	412-096	v	J0100 1	NO SHOT TIME
6091 FANCE		8	413.086			NO SHOT TIM
6091 FANCE		8	400.491	0	57.27 1	E
6096 FANCE		8	401.884	0	57.52 1	
6091 FANCE		8	375.617		52.49 l	E
6096 FANCE				0		E
OUTO PANLE	. ,,,	8	377.094	0	52.74 1	E

STA	TION	TOHE	8	RANGE	T	TIME	P	YEL.		
NO	NAME			KM.		SEC.		KM/SEC	COMMENT	
6091	FANCEE	340	8	385.513	0	54.02	1		E	
6096	FANCEN	340	8	387.074	0	54.24	1		E	
6091	PANCEE	341	9	391.636					NO SHOT	
6096	FANCEN	341	8	393.231					NO SHOT	TIME
6091	FAWCEE	342	8	399.101	0	56.03	1		E	
6096	FANCEN	342	8	400.726	0	56.27	1		E	
6091	FANCEE	343	8	398.819	0	55.80	1		£	
6096	FAHCEN	343	8	400.446	9	56.05	ì		E	
6091	FAWCEE	344	8	377.329	0	53.44	1		L	
6096	FANCEN	344	8	378.503	0	53.69	1		L	
6091	FAWCEE	345	8	378.388	0	53.34	1		L	
5096	FANCEN	345	8	379.484	0	J3-60	1		L	
6091	FAWCEE	346	8	382.372	0	53.82	1		Q	
6096	FANCEN	346	8	383.403	0	54.00	1		Q	
6091	FANCEE	347	8	386.328	0	54.48	1		Q	
6096	FANCEN	347	8	387.289	0	54.72	1		Q	
6091	FANCEE	348	8	393.010	0	54-61	1		E	
6096	FANCEN	348	8	393.892	0	54, 76	1		E	
6091	FANCEE	349	8	399.657	(•	56.36	1		L	
6096	FANCEN	3:,9	8	400.485	O	56.57	ı		L	
6091	FANCEE	350	8	375.361	0	53.90	1		Q	
6096	FAPLEM	350	8	376.546	0	54.15	1		Q	
6091	FAUCEE	353	8	373.932	Ĉ	54.00	1		Q	
6096	FANCEW	353	8	375.176	0	54.23	1		Q	
6091	FANCEE	354	8	373.037	0	54.18	1		Q	
6095	FANCEN	354	8	374.301	0	54.43	1		Q	
	FANCEE		8	375.524	0	52.81	1		E	
6098	FANCER	355	8	376.911	0		1		8	
6101	DELRAE	303	8	334-123	0	47.93	1		E	
6106	DELRAW	303	8	336.300	0	42:10	1		E	
6101	DELRAE	304	8	342.303	0	48.77	1		E	
6106	DELRAM	304	8	344.480	0	49.10	1		E	
6101	DELRAE	305	8	348.558	0	50.29	ı		1	
6105	DELRAW	°05	8	350.733	0	50.59	1		t	
6101	DELRAE	306	8	355.962					NO MONT	TOR RECORD
6106	DELRAM	306	8	356-139					NO MONI	TOR RECORD
6101	DELRAE	307	8	352.507	0	52.00	1		E	
6106	DELRAW	307	6	364-664	0	52.25	1		E	
6101	DELRAE	303	8	370.604	0	52.69	1		E	
6106	DELRAW	308	8	372.781	0	53.04	1		E	
0101	DELRAE	309	8	357.887	0	51.36	1		E	
6105	DELRAK	309	8	360.054	0	51.67	1		E	
6101	DELRAE	310	8	365.730	0	52.51	1		E	
	DELRAW		P.	367.407	0	52-10	1		E	
6101	DELRAS	311	8	372-181	0	53.02	ì		E	
6106	DELHAM	311	8	374.359	0	53.33	1		E	
6101	DELRAE	312	8	380.052	0	54.37	1		E	
6106	DELRAM	312	6	382.229	0	54.60	:		E	
	DELRAE		8	386-634	0	56.16	1		Q	
9019	DELRAW	313	f:	348.811	0	56.50			Q	

STA	A-ION	SHOT	R	RANGE	T	TIME	P	VEL.	
NO	NAME		••	KM.	•	SEC.	•		COMMENT
6191	DELRAE	314	8	394.118	0	56.86			L
	DELRAH	314	8	396.295	0	57.11	1		ř
	DELRAE	315	8	400-512	0		1		E
	OELRAW	315	8	402.689	0		1		E
	OELRAE	316	8	407.749	0		1		E
		316	8	409.926	0	57.16	7		E
	DELRAE		3	420.373					NOT RECORDED
	DELRAW	320	8	422.550					NOT RECORDED
		322	8	548-267					NO MONITOR RECORD
	OELRAW DELRAE		8	550.443					NO MONITOR RECORD
	DELKAN		8	569.249 571.426					NO MONITOR RECORD
	DELRAE		8	589.999	0	83.70			E
	DELRAW		8	592.175	Ö	83.47			E
	DELRAE		8	632.210	Ö		i		Ē
	DELRAN		8	634.386	ŏ		i		Ē
	OELRAE		8	600-251	ŏ		i		Ē
	DELRAW		8	502.428	ŏ	83.99	_		Ē
_	DELRAE		8	589, 571	•	0,00,00	•		NO MONITOR RECORD
	DELRAW		8	591.748					NO MONITOR RECORD
	DELRAE		8	534-640					NO MONITOR RECORD
	OELRAW		8	536.817					NO MONITOR RECORD
	DELRAE		8	523.729	0	74.43	1		•
	DELRAN		8	525.905	0	74.77	ī		Ē
_	DELRAE		8	516.349	0	74.10	1		Ĺ
6106	OELRAW	331	8	518.525	0	74.38	1		L
6101	DELRAE	332	8	515.613	0	73.86	1		L
6106	OELRAW	352	8	517.790	0	74.14	1		L
6101	OELRAE	333	8	492.713	0	71.57	ì		Q
6106	DELRAW	333	8	494.890	0	71.65	1		Q
6101	OELRA!	334	8	470.178					TOO NOISY
	OELRAH		8	472.355					TOO NOISY
6101	OELRAE	335	8	448.745	G	63.15			E
	DELRAW		8	450.922	0	63.45	1		€
	DELRAE		8	438-064					NO SHOT TIME
	DELRAW		B	440.242					NO SHOT TIME
	DELRAE		8	426.448					NO MONITOR RECORD
	DELRAW		8	428.625	_	e			NO MONITOR RECORD
	ROMNEE		8	358.050	0	51.00	_		Ļ
	ROMNEW		8	359,655)		ļ		L
	ROMNEE		8	356.228 367.634	0	52.70	l Į		L L
	ROMNEE		_	372.482	0	52.99			E
	ROMNEW		8	374.088	ŏ	53.19			E
	ROMNEE		8	379-892	•	,,,,,,	-		NOT RECORDED
	ROMNEW		8	381.496					NOT RECORDED
	_	307	8	386.437	0	54.84	1		E
	KONNEW	_	9	388.041	Õ	55.01			Ě
	RUMNEE		8	394.541	Ō	56.11	_		Ē
6116	ROMNEM	308	8	396.142	0	56.27			Ē

NORTHERN PROFILES: Liesto STATIONS

STA	TION	SHOT	R	RANGE	T	TIME P	VEL.	
NO	NAME			KM.		SEC.	KM/SEC	COMMENT
6111	ROMNEE	309	8	381-822	0	54.54 1		8
6116	ROMNEW	309	8	383.424	0	54.75 1		8
6111	ROMNEE	310	8	389-660	0	55.49 1		E
		310	8	391-264	0	55.65 1		Ē
	ROMNEE	311	8	396.097	Ō	56.12 1		E
	ROMNEW	311	8	397.708	Ō	56.34 1		Ē
	ROMNEE	312	8	403-983	_			NOT RECORDED
		312	8	405.587				NOT RECORDED
		313	8	410-570	0	58.22 1		L
	ROMNEW	313	8	412-172	ŏ	58.50 1		Ĭ
	ROMNEE	314	8	418-043				NOT RECORDED
	ROMNEW	314	8	419.650				NOT RECORDED
	ROMNEE	315	8	424.443	0	59.23 1		E
	ROMNEW		8	426.048	ŏ	j9.42 l		È
	ROMNEE	316	8	431-681	•	> 10 44 E		NOT RECORDED
	ROHNEW	316	8	433.285				NOT RECO
				444.301				NO SHOT TIME
	ROMNEE	320	8					NO SHOT TIME
	ROMNEW	320	8	445.908	^	-00 70 1		
	ROMNES		8	572.210	0	80.78 L		Ļ
_	ROMNEN		8	573-808	0	81.00 1		L
	ROMNEE	323	8	593.194	ð	62.88 1		E
	ROMNEW		8	594.792	0	63.05 l		E
	ROMNEE	324	8	613.949	0	85.91 1		E
	ROMNEW		8	615-544	0	86.13 1		Ε
	ROMNEE	326	8	656.189	0	90.58 1		Ε
_	ROMNEW		8	657.770	0	90.72 1		3
	ROMNEE		8	624.206	0	86.59 1		Ε
	KOKNEW		8	625.799	0	86.81 1		E
5111	ROMNEE	328	8	613.522	0	85.21 1		E
	ROMNEW		8	615-117	0	6:.46 1		E
6111	ROMNEE	329	8	558.581	0	78.89 1		E
6116	ROMNEW	329	8	560.180	0	79.13 1		E
5111	ROMNEE	330	8	547.600	0	77-78 1		Ε
5115	ROMNEW	330	8	549.274	0	78.00 1		E
6111	ROMNEE	331	8	540.284	O	76.89 1		E
6116	ROMNEW	331	8	541.885	0	77.11 1		Ē
6111	ROMNEE	332	8	539.545	0	76.87 1		Ε
6116	ROMNEE	332	a	541-148	0	77.06 1		Ε
611.	ROMNEE	338	8	424.695	0	59.17 1		Ē
6116	ROMNEW	338	8	426.444	0	59.41 1		Ē
6111	ROMNEE	340	8	433.203	C	60-52 1		Ē
	ROMNEW	340	8	435-107	0	60.76 1		Ē
	ROMNEE	341	8	438.498	-			NO SHOT TIME
	ROMNEW	_	8	440.470				NO SHOT TIME
	KOMNEE	342	8	444.992	0	62.28 1		E
	ROMNEW		8	447.032	Ŏ	62.55 1		Ē
	ROMNEE	343	8	444.672	Ō	62.24 1		Ē
	ROMNEW		8	446.714	ŏ	62.53 1		Ē
	ROMNEE	344	8	427.747	ŏ	60.10 1		Ē
	ROMNEW		8	429.012	Ŏ	60.32 1		Ě
			_		_			-

STATION		SHOT	R	RANGE	T	TIME	P	VEL.	
NO	NAME			KM.		SEC-		KM/SEC	COMMENT
6111	ROMNEE	345	8	428.633	0	60.11	1		Ε
	ROMNEW	345	8	429.784	ō		ī		E
	ROMNEE	346	8	432.362	Ō	60.41	1		Ē
6116	KOMNEW	346	8	433.418	0		1		E
6111	ROMNEE	347	8	435.93	0	61.70	1		E
6116	ROMNEW	347	8	436.893	0	61.87	1		8
6111	ROMNEE	348	8	442.093	ŋ	61.32	1		E
6116	ROMNEW	348	8	442.936	0	61.45	1		E
	ROMNEE	344	8	448.314	0		1		E
	ROMNEW	349	8	449.082	0	63.29			E
	ROMNEE	350	8	425.790	0	60.00	1		E
	ROMNEW	350	8	427.070	0	60.18	1		E
		353	8	424.364					NO MONITOR RECORD
	ROMNEW	353	8	425.735	_				NO MONITO
	ROMNEE		8	423.444	0	60.33			Q
	ROMNEW		8	424.846	0	60.49			Q
		355	8	425.455	0	_	1		Ē
	ROMNEW		8	427.051	0		1		E
	CEOARN		8	284.813	0		1		E
_	CEOARS		8	286.472	0		1		E
	CEOARN		8	244.063	0	37.37			£
	CEDARS		8	245-156	0	37.61	ı		E SHOT TIME
	CEDARN		8	223.893					NO SHOT TIME
	CEDARS		8	225.996	^	22.55			NO SHOT TIME
	CEOARN		8	202.356	0		1		E
	CEDARN		8	204.470 202.119	0		i		E
		343	8	203.807	ŏ		i		E
	CEONKY	_	8	390-906	Ö	54.89	ì		Ī
	CEDAKS		8	392.978	ŏ	55.17	_		İ
	CEDARN		8	413.299	ŏ	57.07			i
		345	8	415.360	ŏ		i		Ī
-	CEDARN		8	432.105	ō	59.58			Q
	CEDARS	346	8	434.164	Ō	59.83			0
	CEDARN	_	8	451.912	_		_		NOT RECORDED
		347	8	453.965					NOT RECORDED
	CEDAKH	348	8	473.995					NOT RECORDED
	CEDARS		8	476.047					NOT RECORDED
	CEOARN		Ā	490.137	0	66.16	1		E
6126	CEDARS	349	8	491.780	0	66.37	1		Ē
6121	CEDARN	350	8	.87.531	0	54.52	1		Ī
6126	CEOAKS	350	8	389.598	0	54.77	1		Ī
6121	CEOARN	353	8	369.158	0	52.27	1		I
6126	CEDARS	353	8	371-228	0	52.54	1		I
6121	CEDARN	354	8	362.432	0	48.69	1		Q
		354	8	364.501	0	48.92			Q
	CEDARN		8	320.872	0	46.48	1		Ε
6126	CEOARK	355	8	322.957	0	46.76	1		E

Total Grant Property

TABLE V

EXPLANATION OF SYMBOLS

Column R: Method of Distance Calculation

- 9 From coordinates using Thomas' formula
- 8 From coordinates using formula other than Thomas'
- 7 From water wave travel time

Column T: Time Code

- O Travel time
- 1 Arrival time only; referenced to a WWV minute
- 2 Arrival time only; referenced to a WWV second

Column P: Type of Arrival

- 0 Unidentified event
- l First arrival
- 2-9 Later events

Velocity Column: Refers to apparent velocity across

array stations

Comment Column:

- I Impulsive
- E Emergent
- L Late
- Q Questionable

WW Water wave

Table VI. Layer Depths

SN Profile

Layer	Velocity, km/sec	Thickness, km
1	1.70	0.49
2	6.03	30.38
3	8.13	
	NN Profile	
1	2.10	1.63
2	5.78	8.31
3	6.34	16.32
4	7.97	

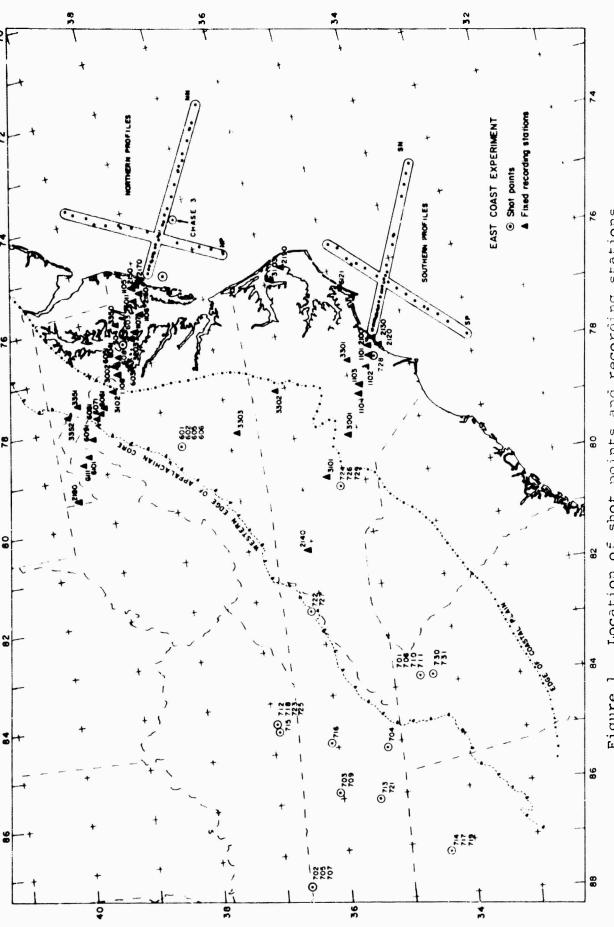


Figure 1. Location of shot points and recording stations.

Temporary stations (those which moved frequently during the shooting program) are not shown.

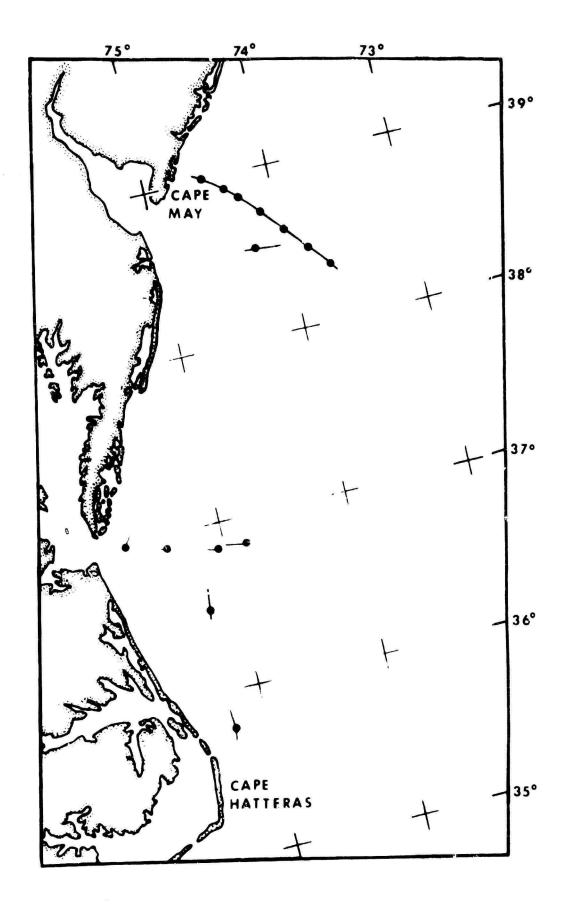


Figure 2. Location of previous seismic work in the vicinity of the ECOOE northern profiles, after Drake <u>et al</u>. (1959).

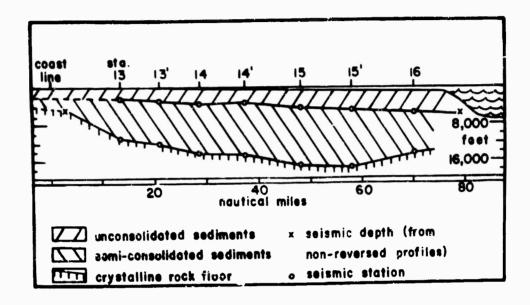


Figure 3. Structure section for the Cape May profile shown in Figure 2.

- Trible 1

~ •

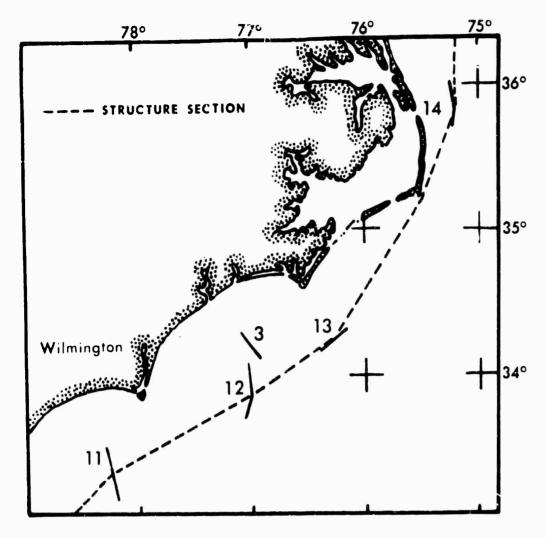


Figure 4. Profiles by Hersey et al. (1959) in the vicinity of the ECOOE southern profiles.

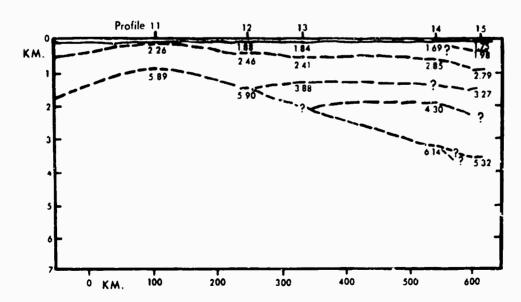


Figure 5. Structure section from profiles shown in Figure 4.

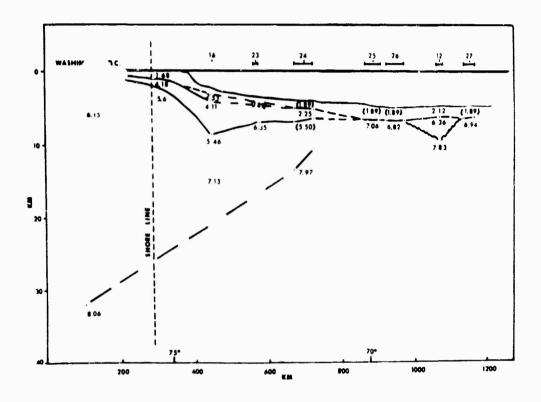


Figure 6. Structure section from Katz and Ewing (1956). Profile extends approximately along ECOOE NN profile.

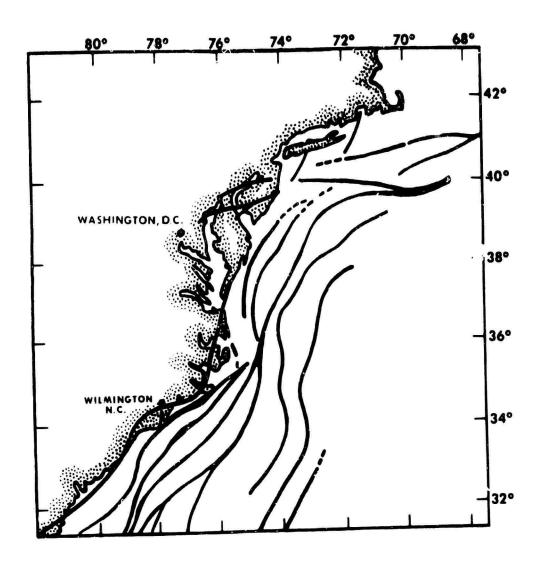
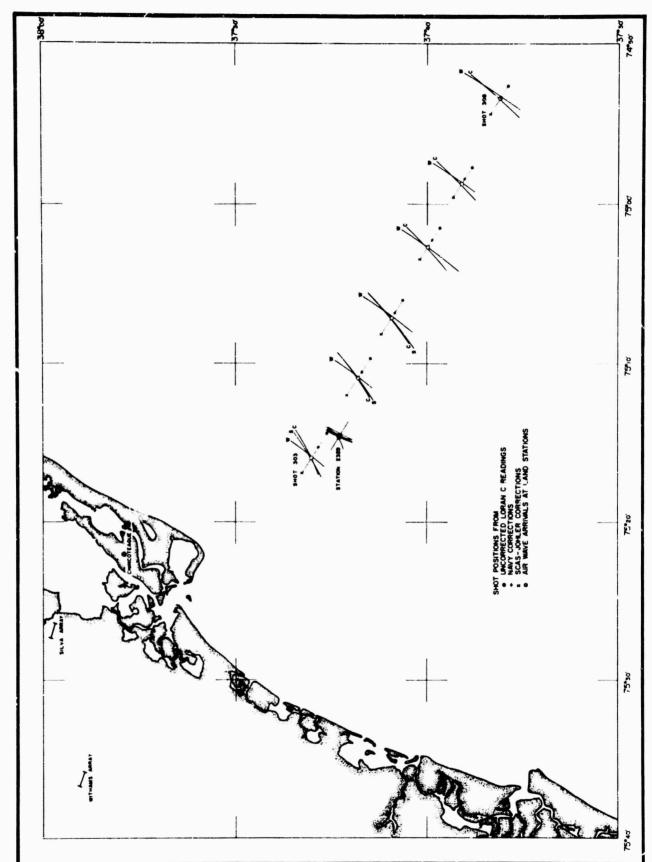


Figure 7. Magnetic anomalies in the ECOOE area, after Drake et al. (1963). Width of line indicates amplitude of anomaly.



Location of shots 303 - 308 by means of air wave arrivals at land stations. Figure 8.

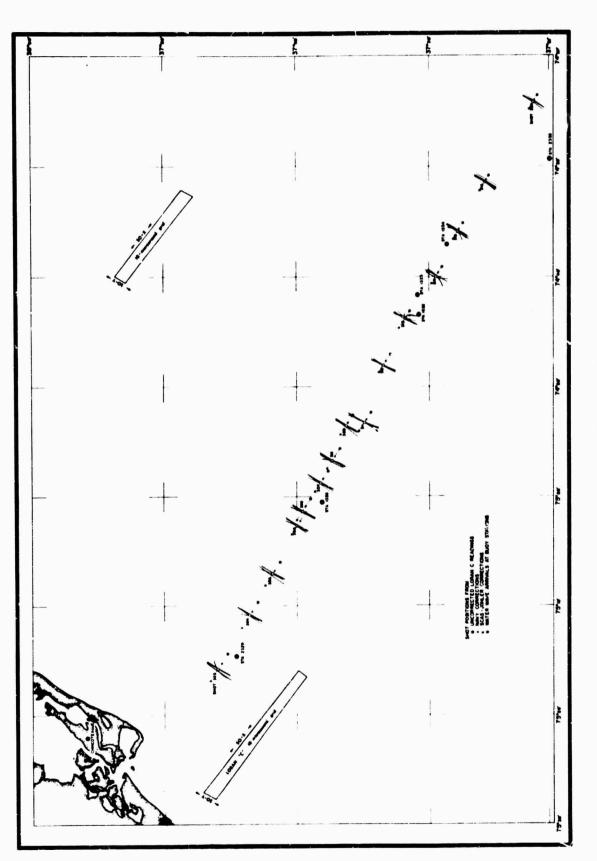


Figure 9. Location of shots 303 - 320 from water waves at buoy stations.

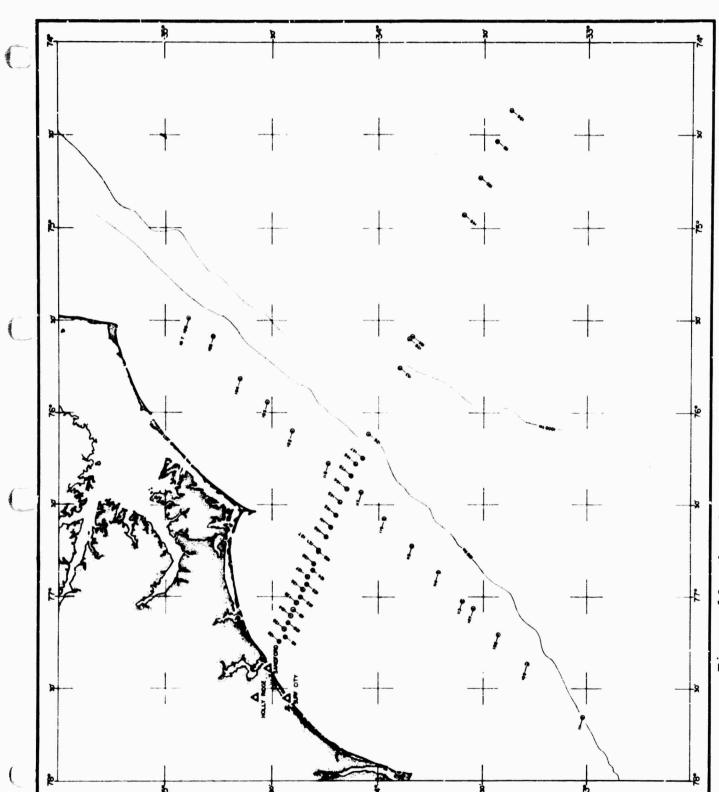


Figure 10. Shot locations, southern profiles.

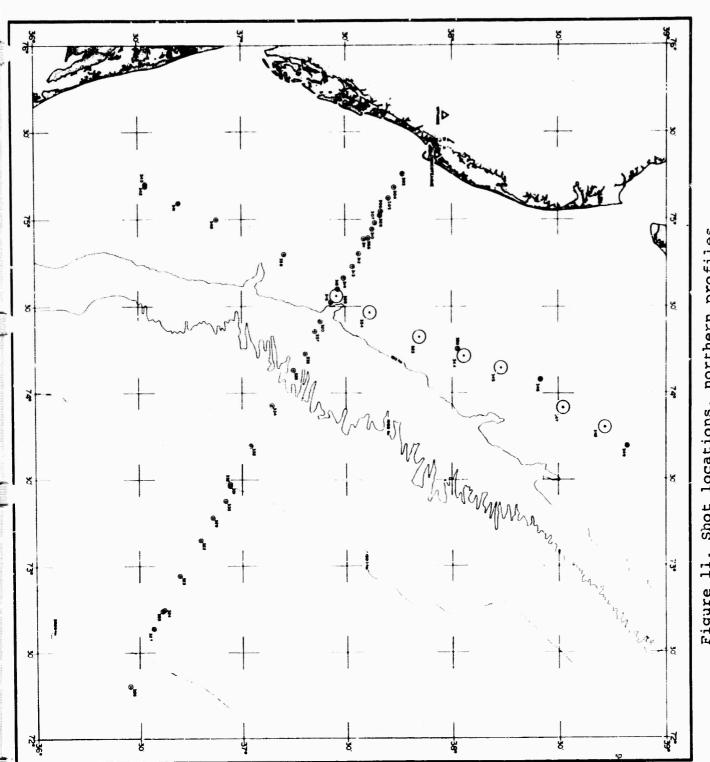


Figure 11. Shot locations, northern profiles.

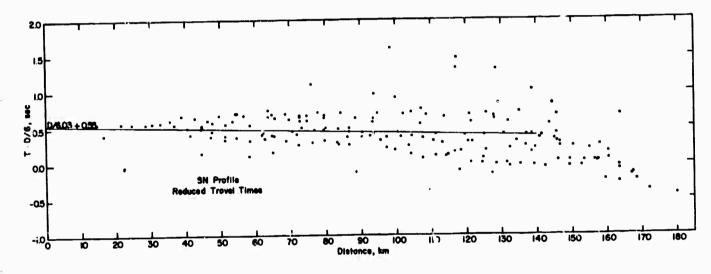


Figure 12. Reduced travel time plot of SN profile with reduction velocity of 6 km/sec.

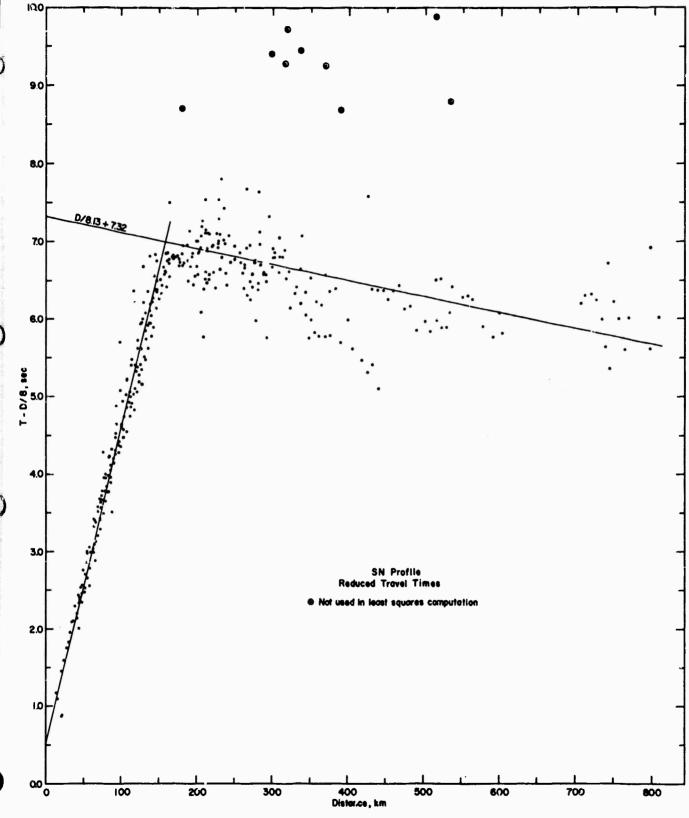


Figure 13. Reduced travel time plot of SN profile with reduction velocity of 8 km/sec.

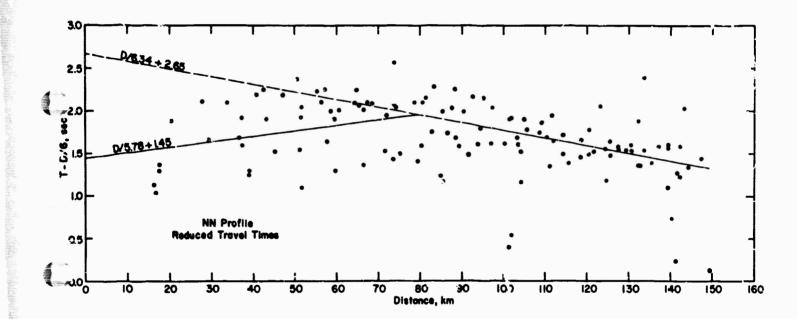


Figure 14. Reduced travel time plot of NN profile with reduction velocity of 6 km/sec.

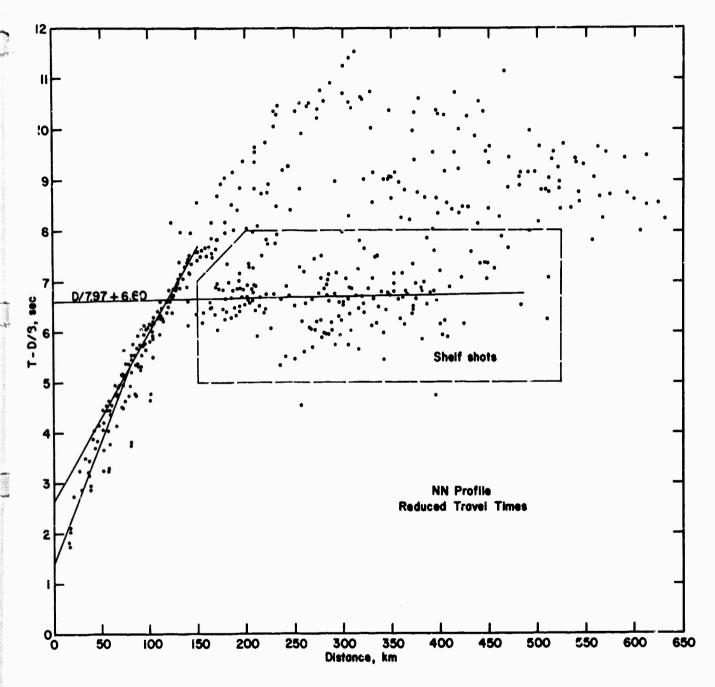


Figure 15. Reduced travel time plot of NN profile with reduction velocity of 8 km/sec.

ea. CONTHACT OR GRANT NO.

AF 49 (638)-1542

b. PROJECT NO.

c. 6250601R

an. ORIGINATOR'S REPORT NUMBER(3)

CONTRIBUTION NO. 50

wh. OTHER REPORT NO.(3) (Any other numbers that may be easigned this report)

IN DISTRIBUTION STATEMENT

1 NOV 68 . - . 7 -

Distribution of this document is unlimited.

Air Force Office of Scientific

Rosearch (SRPG)

1400 Wilson Boulevard

Arlington, Virginia 22209

A cooperative seismic crustal structure experiment involving eleven participating institutions was conducted off the East Coast of the United States during the summer of 1965. Underwater shots varying in size from 20 pounds to 10 tons of explosive were detonated along four lines; two off the coast of North Carolina and two off the coast of Virginia. These shots were recorded at a number of land stations, both fixed and mobile, as well as at anchored bucy stations at sea. In each area one line was approximately normal to the continental margin and the other parallel to the margin near the outer edge of the continental shelf. Slot positions, shot instants and first arrival times at all participating recording stations are summerized in the tables of this paper.

Preliminary analyses of the data contributed by all of the participants for inclusion in this paper indicate a general crustal structure varying from 0.5 km of sediment overlying 30.4 km of basement for the southern profiles to 1.5 km of sediment above 8.3 km low velocity basement overlying about 16.3 km of high velocity basement in the northern area. The individual participants are expected to present more detailed summaries of their own portions of the data in subsequent papers.

CICINSSIPILD

Security Class - cation

	LIN	K A	LINK B		LINK C	
KEY WORDS	ROLE	₩7	ROLE	wT	POLE	WT
ravel times						
explosion seismology		į	1 1			
eismic refraction study						
uoys						
rrays						
and stations						
ime term analysis	[[
ast Coast of U.S.						
					Ì	
arolina coast			· ·			
irginia coast	i			i		
rustal structure				1	1	
ontinental shelf		İ		!		
ORAN C				i		
HASE shot		İ				
.S. Upper Mantle Program		1				
ranscontinental Geophysical Survey		1		i		
- 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,			1		i	
]	
		ļ				
		1	1	1	I	
		- !	!	- 1		
	i		1	ĺ	1	
		1	i			
		1		i	1	
			1	1	j	
		-	į			
		1		i		
•			į		ļ	
•					•	
		1		1		
				1		
		ì		i		
		i				
					İ	
		;	1 7 2	j	i	
	i		1		i	
			i	ļ		
		1		i	!	
		į	ì	ļ	i	
	1					
		:	İ		İ	
				į		
	•	ŧ	•		:	
	1		-			
	! !	í		ı		
	1		:	;		
		•	1	1		
	2					
		1	Ī	i	j	